XD 61/1.N
OR
PHOTO BOX 1960+

REC'D. 11/1/72

3M
COMPANY

September 25, 1972

Welcome to Washington, D. C.! We hope you find your
Library Workshop most effective and beneficial.

Several programs on your agenda deal with microfilm
materials and equipment. Since 3M is one of the
largest manufacturers of equipment and supplies for
the micrographic field, we take pleasure in presenting
to you this folder which offers a representative
sample of our products. You are undoubtedly quite
familiar with microfilm equipment and, naturally, we
hope that if you are not already, you will become more
familiar with 3M microfilm equipment.

Here's wishing you a good and productive conference --
should you have any questions regarding 3M equipment
or supplies, please feel free to give me a call at my
office in Washington (202-298-9200) or drop me a line
anytime:

> 3M Company
> 1750 Pennsylvania Avenue
> Suite 1100
> Washington, D. C. 20006

Sincerely,

Richard E. Wilson
Richard E. Wilson
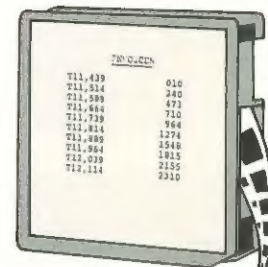Government Representative

REW/mtb

3M BRAND 3400BE Cartridge Microfilm Camera

"3400" Cartridge Camera
(with Blip-encoding)

Blip encoded film

Page Search Reader-Printers

"500C" Page Search

"400C" Page Search

Now you can automatically retrieve a specific image from a file of thousands with the help of a "3400" cartridge camera and a 3M Page Search Reader-Printer. Available on the "3400" is a blip-encoding accessory that puts a rectangular blip mark on the edge of the film each time a document is fed through the camera. Blip encoding enables you to find a specific document on a "400" or "500" Page Search Reader-Printer at the push of a button. A blip-encoding "3400" with cartridge microfilm convenience provides you with one of the most advanced 3M Microfilm Systems.

3M BRAND 3400BE Cartridge Microfilm Camera

Original paperwork is filmed as fast as it can be fed. Variety of retrieval devices provide easy reference and quick retrieval later on.

One hundred foot roll of 16mm cartridge microfilm is simply snapped into the machine and loaded automatically.

Push button loading and unloading of cartridge microfilm. Cartridge may be removed at any time to free machine for use by other departments.

Notations can be written right on the cartridge while filming is in progress.

- ☐ Photographs up to 2400 original documents on one hundred feet of 16mm cartridge microfilm.
- ☐ Convenient, compact, cartridge microfilm is fed into the camera at the push of a button. Fingers never touch the film.
- ☐ Cartridge may be removed at any time for continued filming at a later date.
- ☐ Each department in your organization can have its own cartridges and film whenever time and paperwork are available.
- ☐ Complete push button operation.
- ☐ Originals hand-fed as fast as one per second return in correct sequence.
- ☐ An odometer indicates film footage so you can index the cartridge while filming for later reference and quick retrieval.
- ☐ Document counter tells you how many pieces of paperwork have been filmed.
- ☐ Accepts paper up to 11-3/4 inches wide

DIMENSIONS: Width—26", Height—12", Depth—31". **WEIGHT:** Approximately 90 pounds. **ELECTRICAL REQUIREMENTS:** 115 Volts, 3 Amps, 50/60 Cycle. **LIGHT SOURCE:** Two broad spectral range green fluorescent lamps. **CARTRIDGE CAPACITY:** 2,400 letter-size documents per 16mm roll.

See all the 3M Microfilm Systems components at your 3M Business Products Center.

3M COMPANY
MICROFILM SYSTEMS

3M 2000E Microfilm Processor-Camera

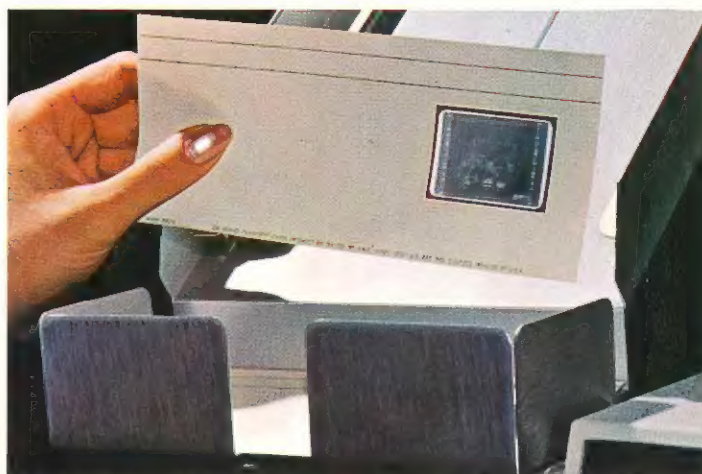In only 40 seconds drawings are reduced to this 3M microfilm camera card.

Reduce A to E size engineering drawings to a standard microfilm camera card at the push of a button. Copy board 36" x 48".

Optional backlighting feature on 2000E copyboard allows filming of even low contrast originals.

The 3M 2000E Processor-Camera handles originals up to 36" x 48" in size and creates a complete microfilm camera card in two-thirds of a minute.

□ Utilizes three high quality lenses which exceed present Department of Defense resolution specifications. Assures 113.6 lines per millimeter at 16:1, 120 lines per millimeter at 24:1, 135 lines per millimeter at 30:1 reductions.

□ Accommodates A-E size drawings on a single copyboard.

□ Designed to provide even illumination across the copyboard in subdued room lighting conditions.

□ Complete push-button operation. A movable copy platform lowers at the push of a button for maximum operator convenience.

□ Self-contained chemicals and automated film processing eliminate the need for external plumbing.

DIMENSIONS: 78 inches high, 90 inches wide, 44 inches deep. **WEIGHT:** About 550 pounds. **ELECTRICAL REQUIREMENTS:** 100 to 130 volts, 15 amperes, 60 cycles per second. **CARTRIDGE CAPACITY:** 500 cards.

See all the 3M Microfilm Systems components at your 3M Business Products Center.
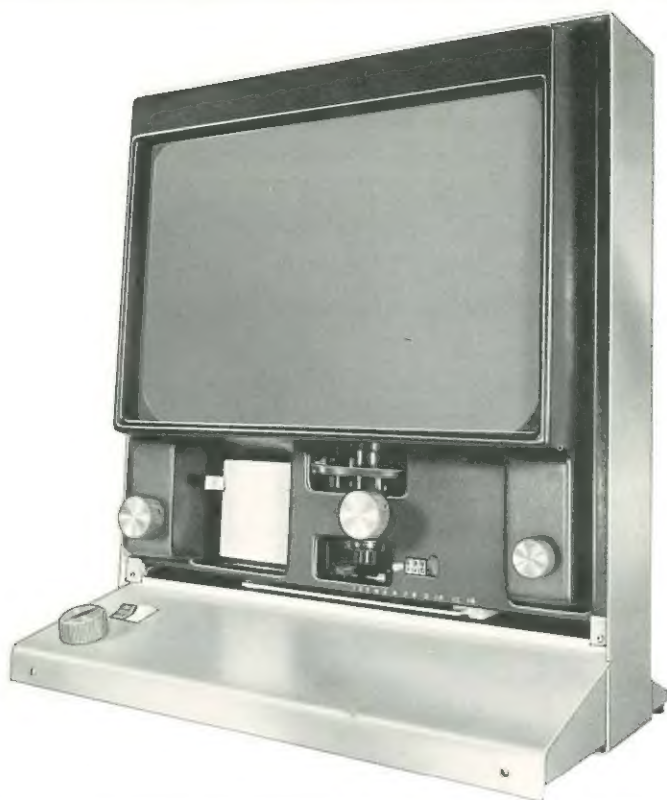
3M COMPANY
MICROFILM SYSTEMS

■ *Low cost computer output microfilm reader.* ■ *Handles cartridge microfilm, microfiche and aperture cards.* ■ *Double page fiche image capability.* ■ *12" x 17" high resolution viewing screen.* ■ *360 degree image rotation and lateral traverse for viewing comic, cine mode, simplex duo and duplex film.* ■ *Automatic threading and variable speed motorized film drive.* ■ *Odometer indexing and snap-in fiche indexing guides.* ■ *Accepts any film thickness.* ■ *24X and 40X magnification.*

The COR 701 is a high performance cartridge/microfiche retrieval unit designed to handle your COM applications quickly and easily. Cartridges and fiche are easily intermixed. In fact, you can leave both formats in the retrieval unit and view one or the other at will . . . without attachments. With only two lenses, you achieve 24X and 40X magnification providing a variety of full size and oversize images. View comic strip, cine mode, duo, duplex, 4-up and even double page fiche images.

The compact COR 701 is a general purpose reader offering great versatility. Designed to fit easily into your office, it's only 12 inches deep from screen to rear, taking up no more desk space than a typewriter.

SPECIAL APPLICATION

If you need a microfilm viewing capability as part of a large data retrieval system, the COR 701 offers you two major cost-saving features. First, filming certain data on cartridged microfilm and other data on fiche can save—film production costs, film copy costs, storage and retrieval costs and information updating costs.

Second, if it's necessary to store and utilize large quantities of information on cartridges without constantly updating and consoli-

dating and sorting film, the COR 701 is the efficient answer. You can use COM fiche to help you index your cartridges. As new information is added, your flexible fiche index can be quickly modified to tell you where additions to this information are located. As a result, you minimize updating costs, as well as retrieval time.
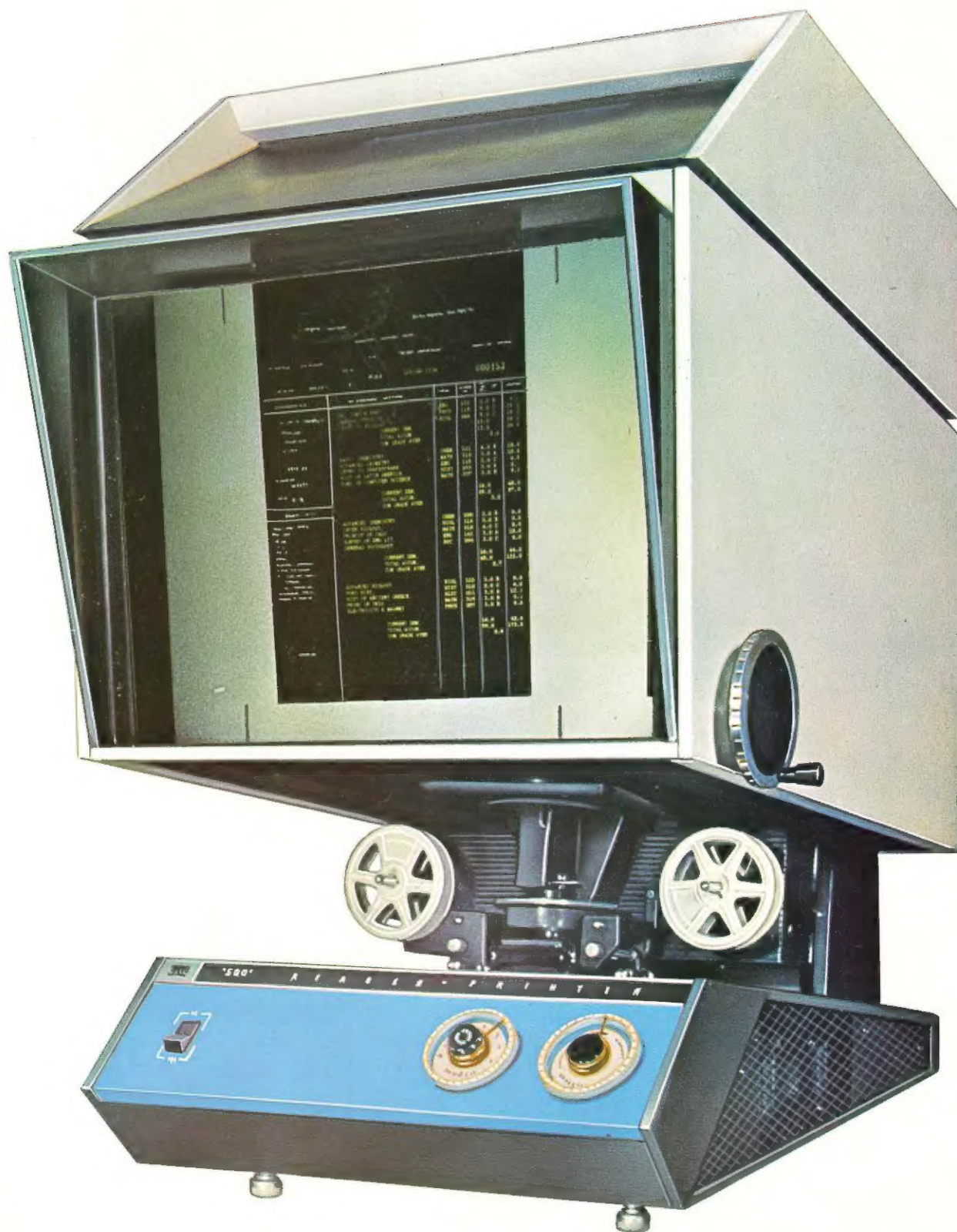
Light Source: 200 watt quartz halogen illumination system.

Dimensions: Depth 12 inches (screen to rear); Depth 15½ inches (overall). Height 24½ inches. Width 21 inches. **Weight:** 40 pounds.

3M COMPANY
MICROFILM SYSTEMS

3M BRAND 500M Microfilm Reader/Printer

3M BRAND 500M Microfilm Reader/Printer

Exclusive 3M Dry-Silver copying process can reduce print costs by 50%. Completely dry 8½" x 11" prints in just ten seconds.
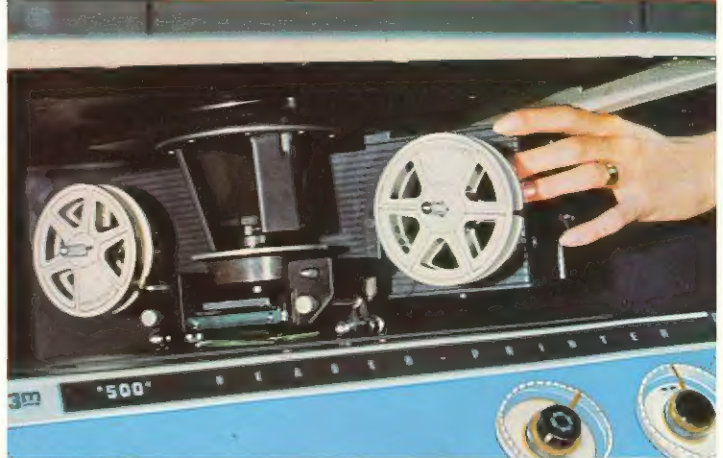
360-degree turret rotation offers flexibility in reading and printing. Allows you to quickly position microfilm copy within image area.
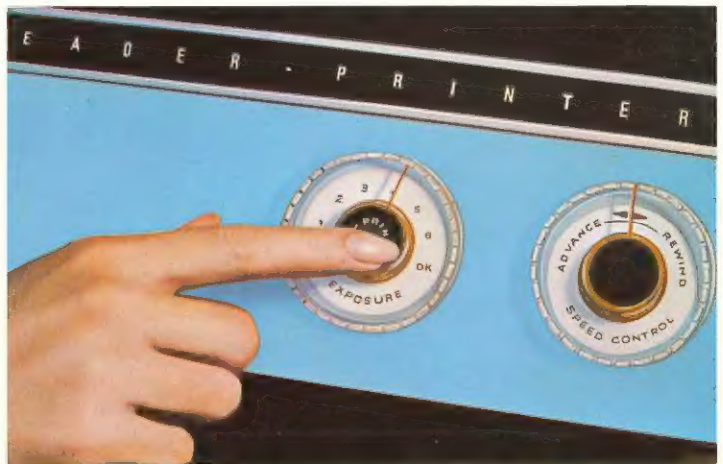
Variable speed control on motorized film drive lets you scan as few as 10 inches per minute . . . or travel through 100 feet of film in 15 seconds.

□ Delivers low-cost, completely dry prints at the push of a button.

□ Wide latitude of Dry-Silver paper produces excellent copies, even from poor quality film.

□ Retrieves information precisely, instantly with motorized film drive and variable speed control.

□ Projects bright images on 12" x 16" non-glare screen.

□ 450-foot paper supply minimizes reloading.

□ Handles 16mm and 35mm film on open spools and also accepts jackets, aperture cards and microfiche.

□ 360-degree turret rotation, film traverse and 11 easily interchangeable magnification lenses, from 8.05x to 35x, provide versatility in handling virtually any microfilm format.

DIMENSIONS: Base - 18¼" wide x 24¾" deep; 31½" high. **ELECTRICAL REQUIREMENTS:** 10 amperes, 110 volts, 60 cycles. **LIGHT SOURCE:** 200 watt high-illumination lamp. **WEIGHT:** 140 lbs.

See all the 3M Microfilm Systems components at your 3M Business Products Center.

3M COMPANY
MICROFILM SYSTEMS
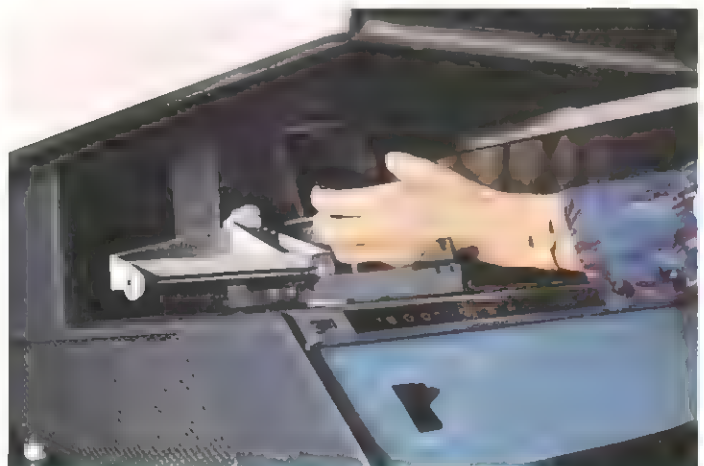
3M BRAND 500F Microfilm Reader/Printer

3M BRAND 500F Microfilm Reader/Printer

Exclusive 3M Dry-Silver copying process can reduce print costs by 50%. Completely dry 8-1/2 x 11 prints in just 10 seconds.

Smooth double action film holder with 90° right or left image rotation feature. Automatic opening glass flats and snap-on indexing strips

Easily interchangeable lenses permit versatility in handling a variety of Microfilm reductions.

□ Delivers low cost, completely dry prints at the push of a button.

□ Wide latitude of Dry-Silver paper produces excellent copies even from poor quality film.

□ Handles multi-image sheet film—microfiche, Microfilm jacket or aperture card up to 6" by 8".

□ Features compatible snap-on indexing strips for all standard microfiche formats.

□ Automatic opening, double action film carrier provides easy one hand film insertion, removal and smooth image to image referencing.

□ Projects bright images on a large 12" x 16" non-glare screen.

□ Eleven easily interchangeable lenses provide screen magnification from 11x to 45x to handle virtually any Microfilm format.

DIMENSIONS: Base—18-1/4" wide x 24-3/4" deep; 31-1/2" high. **ELECTRICAL REQUIREMENTS:** 10 amperes, 110 volts, 60 cycles. **LIGHT SOURCE:** 200 watt high-illumination lamp. **WEIGHT:** 140 lbs.

See all the 3M Microfilm Systems components at your 3M Business Products Center.

3M COMPANY
MICROFILM SYSTEMS

3M BRAND 500 CR

COMPUTER OUTPUT READER

- *High quality cartridge microfilm reader* - *Excellent tool for computer output reading.* - *Modern "Fast Back" design fits any office decor.* - *Motorized film drive.* - *Large 14" x 16" viewing screen.* - *360° turret rotation.* - *Odometer indexing.*

The "500CR" cartridge reader features all new "Fast Back" styling which blends well with any office decor. The automatic threading and motorized film drive permit convenient and rapid handling of cartridge film. An ideal reader for computer output and standard microfilm in a cartridge format.

Variable film speed control allows slow scanning at a readable 10 inches per minute or will advance film at a rate of 100 feet in just 15 seconds.

The automatic odometer keyed to an external index allows rapid location of data.

The large screen, 14" x 16", allows clear sharp viewing of COM pages. Six easy to change lenses are available to handle any size microfilm reduction to give a screen "blow back" of up to 38X.

360° turret rotation and film traverse permit right reading of filmed images regardless of the position of those images on the film.

Dimensions: Base: 17" wide by 21½" deep; 27½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light Source:** 170 Watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.

3M COMPANY
MICROFILM SYSTEMS

3M BRAND 500C Page Search Reader/Printer

3M's Page Search Reader/Printer searches a file of 10,000 and produces dry prints in seconds.

Large bright images are projected on a 12" x 16" non-glare screen.

Pushbutton simplicity and digital input make the Page Search compact electronic logic package a convenient and versatile retrieval unit.

☐ Retrieves specific microfilm images in just seconds with digital keyboard input and pushbutton simplicity.

☐ Provides low-cost, completely dry prints on wide latitude dry-silver paper that produces excellent copies from even poor quality film.

☐ Film traverse and image rotation capability makes it possible to handle microfilm on image formats.

☐ Handles any blip-encoded 16 mm microfilm, positive or negative with automatic centering feature.

☐ Wide range of interchangeable lenses provides versatility in handling virtually any microfilm reduction.

DIMENSIONS: Base — 18¼" wide x 24¾" deep; 31½" high. **ELECTRICAL REQUIREMENTS:** 10 amperes, 110 volts, 60 cycles. **LIGHT SOURCE:** 200 watt high-illumination lamp. **WEIGHT:** 140 lbs.

See all the 3M Microfilm Systems components at your 3M Business Products Center.

3M COMPANY
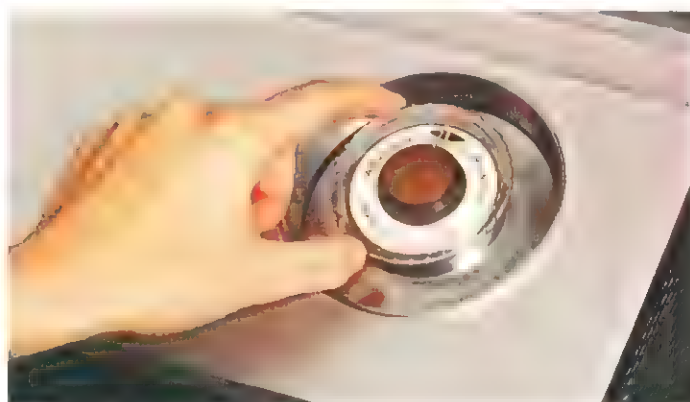MICROFILM SYSTEMS

3M BRAND **400M** Motorized Reader/Printer

Bright evenly illuminated images can be comfortably viewed on a large low-glare screen

360 degree turret rotation lets you quickly position microfilm copy

Motorized film drive with three controls lets you scan frame by frame or travel through 100 feet in 15 seconds

☐ Provides motorized retrieval of information on 16mm and 35mm roll microfilm and manual retrieval from microfilm jackets, aperture cards and microfiche.

☐ Variable speed film advance permits scanning film at the rate of 10 inches to 400 feet per minute.

☐ Projects a bright evenly illuminated image on a 10" x 11½" glare-free screen.

☐ Delivers sharp, dry 8½" x 11" copy in just 6 seconds at the push of a button.

☐ 360 degree turret rotation provides quick positioning of microfilm image.

☐ Permits a choice of 10 magnification ratios— 6x, 8x, 10.5x, 12x, 15x, 18x, 21x, 23x, 29x, and 35x easily interchangeable lenses are available.

DIMENSIONS: Base: 17" wide by 21½" deep; 26½" high. **ELECTRICAL REQUIREMENTS:** 110 volts, AC current, 60 cycles, 10 amperes. **LIGHT SOURCE:** 200 watt, 20 volt quartz iodine with reflector.

See all the 3M Microfilm Systems components at your 3M Business Products Center.

3M BRAND
MICROFILM SYSTEMS

■ *Handles multi-image sheet film — any microfiche, microfilm jacket or aperture card up to 6" x 8"* ■ *New snap-on index strips for all standard microfiche formats* ■ *Automatic open smooth double action film holder with 90° right or left image rotation* ■ *Provides fast precise retrieval ... or a sharp copy in only 6 seconds*

The *new* 3M "400" Microfiche Reader Printer features compatible snap-on indexing strips for all standard microfiche formats. It takes any multi-image sheet film in sizes as large as 6"x8". Right or left 90° constant position image rotation provides maximum viewing flexibility. And, interchangeable easy access optional lenses provide 6X to 45X magnification

assures compatible viewing and printing for all standard sheet film formats. The automatic open, double action film carrier provides easy one hand film insertion, removal, and smooth image to image referencing. This *new* "400" Reader Printer completely eliminates time consuming transcriptions of sheet film records—touch a button and it delivers an exact,

sharp, dry 8½x12½" copy in only 6 seconds.

Dimensions: Base: 17" wide by 21½" deep; 26½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 10 amperes. **Light Source:** 200 watt, 20 volt quartz iodine with reflector. Lamp position adjustable along optical centerline.

3M COMPANY
MICROFILM SYSTEMS

■ *6-second printouts, large-scale viewing assured on 16mm and 35mm rolls, jackets, aperture cards, microfiche* ■ *Sharp, dry copies every time* ■ *360° turret rotation gives you complete reading, printing flexibility* ■ *Handsome design fits any decor.*

Whatever type of microfilm you use—16mm or 35mm rolls, jackets, aperture cards, Microfiche — the 3M "Filmac 400B" delivers sharp, dry copies in only *6 seconds*. And it provides instant large-screen reference viewing, as well.

You're also assured more reading and printing convenience. Flexible 360° turret rotation lets you quickly position microfilm copy within the image area. 10 easy-to-change magnification lenses are available: 6x, 8x, 10.5x, 12x, 15x, 18x, 21x, 23x, 29x, 35x.

The "Filmac 400B" requires only an occasional pint of activator fluid for printing. It automatically "meters" the right amount for each print.

Dimensions: Base: 17" wide by 21½" deep; 26½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 10 amperes. **Light Source:** 200 watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline. **Note:** New microfiche attachment available; takes multi-image film up to 5" x 8".

3M
COMPANY
MICROFILM SYSTEMS

■ *Instant viewing* ■ *Instant retrieval* ■ *Compact cartridges contain 16mm microfilm . . . easy to load, easy to file* ■ *With 3M cartridges, you never touch film—no fingerprints, less wear* ■ *Motorized film drive provides variable scanning speeds . . . easy-eye index method virtually eliminates eye fatigue.*

The new "400C" Cartridge Reader speeds up lookups for you. It's designed to handle low-cost 3M cartridges containing originals on 16mm microfilm. Cartridges are exceptionally easy to load and work with in the "400C"—and these handy "package units" cut filing time and errors, too.

This model Reader features a motorized film drive with variable pushbutton control of scanning speed from 10 inches to 400 feet per minute.

Using indexed film, desired frames can be found in seconds using convenient meter readings. Get an instant reference view of any frame on a large screen.

Dimensions: Base: 17" wide by 21½" deep; 26½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light Source:** 170 watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.

3m
COMPANY
MICROFILM SYSTEMS

AUTHORIZED FEDERAL SUPPLY SCHEDULE CATALOG

FSC Group 67, Part IV, Section B
Photographic Equipment
Contract No. GS-OOS-12441
Effective Dates: July 1, 1972 - June 30, 1973
General Services Administration
Federal Supply Service
GSA Distribution Code OOCC 6720
Incorporates Amendments No. 1 & No. 2

CONTRACTOR (General Offices):
3M Business Products Sales Inc.
3M Center
St. Paul, Minnesota 55101
(612) 733-0180

DIRECT CORRESPONDENCE TO:
3M Business Products Sales Inc.
1611 North Kent Street (Suite 600)
Arlington, Virginia 22209
(703) 528-6600

Microfilm Products Division 3M COMPANY

TABLE of CONTENTS

1

GENERAL TERMS AND CONDITIONS

PRICES

Prices shown herein are net (applicable Government discounts deducted).

BASIC AND QUANTITY DISCOUNTS

Where quantity discounts are shown for machines, supplies, and accessories, said discounts apply only to multiples of the same item purchased on a single order for single delivery and installation at one location.

Quantity discounts do not apply to aggregate quantities of assorted items, types, or sizes.

MINIMUM QUANTITIES AND ORDERING INCREMENTS

Where specified, purchases must be made in increment quantities. A minimum quantity cannot be less than the increment stipulated for the applicable item.

STATE AND LOCAL TAXES

Notwithstanding the provisions of Article 27 of the Supplemental Provisions (GSA Form 1424) the contract price excludes all State and local taxes levied on or measured by the contract or sale price of the services or completed supplies furnished under this contract. Taxes excluded from the contract price pursuant to the preceding sentence shall be separately stated on the contractor's invoices and the Government agrees either to pay to the contractor amounts covering such taxes or to provide evidence necessary to sustain an exemption therefrom.

MAXIMUM ORDER LIMITATION

The total dollar value of any order placed under this contract shall not exceed $50,000; provided, that the dollar value for any single item ordered, whether ordered separately or in combination with other items, shall not exceed the dollar amounts set forth below for the items indicated:

Items 21-1, 21-1a, 21-14, 21-14a, 21-15, 21-16, 21-16a, 21-17, 21-17a, 21-18, 21-18a, 21-19, 21-40 and 21-41: $25,000.

FSNs 6750-608-1092, 7530-543-7274, 7530-543-7275, 7530-656-1040, 7530-845-8232, and 7530-845-8233: $5,000.

TIME OF DELIVERY

DELIVERY will be made within the 50 States and the District of Columbia within 15 to 90 days after receipt of order by contractor, depending upon local inventory positions.

DELIVERY TERMS

PRICES of supplies, accessories, and equipment are F.O.B. destination within the 50 States and the District of Columbia via surface routing of contractor's selection. If premium routing or inside deliveries are requested, additional charges will be added as separate items to contractor's invoice.

TERMS: NET 30 DAYS.

INSTALLATION OF EQUIPMENT

Prices include installation. The contractor or his authorized representative will install equipment and provide basic operating instructions at the time of installation. (See "Delivery Terms" above.)

WARRANTY ON PURCHASED EQUIPMENT

The following is made in lieu of all other warranties, expressed or implied. The contractor's obligations hereunder shall be only to the original procuring agency. Such obligations shall be performed at the contractor's expense, inclusive of transportation costs, and shall be limited to the following:

(a) All machines are warranted for a period of one year except the lenses, glasses, mirrors, screens, and consumable items such as lamps and sponges. These excluded items are warranted for 90 days.

(b) Necessary adjustments of machines, not occasioned by accident or misuse, shall be made during the 90-day period after delivery.

(c) During the one-year warranty period, all broken or defective parts not caused by accident or misuse will be replaced at contractor's expense, including transportation costs.

(d) The warranty to repair or replace defective parts shall be void if the customer fails to operate the equipment in accordance with the written operating instructions of the manufacturer or seller.

Neither the manufacturer nor the seller shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use of or inability to use the equipment.

EXPORT PACKING

Level "A" Export Packing is available for machines, supplies, solutions, and spare parts. Prices for these items are listed on page 49.

ORDERING

ORDERS should be made out to the Contractor, 3M Business Products Sales Inc., and may be placed with the nearest dealer shown on the Authorized Dealer List. ALL ORDERS PLACED WITH AN AUTHORIZED DEALER, other than a 3M Business Products Sales Inc. office, MUST BE MADE OUT TO THE CONTRACTOR, 3M BUSINESS PRODUCTS SALES INC., C/O THE APPROPRIATE AUTHORIZED DEALER.

EXAMPLE: 3M Business Products Sales Inc.
c/o Microfilm Dealer Inc.
111 Dealer Street
Nearest City, State 00000

Orders calling for immediate or ultimate delivery overseas (outside the 50 United States) MUST be issued to the contractor and should be addressed *c/o* MINNESOTA MINING AND MANUFACTURING COMPANY, INTERNATIONAL DIVISION, at the nearest office listed below:

15 Henderson Drive
West Caldwell, New Jersey 07006

320 Shaw Road
South San Francisco
California 94080

P. O. Box 33800
St. Paul, Minnesota 55133

INVOICING—Invoices will be issued by:

3M Business Products Sales Inc.
General Offices 3M Center
St. Paul, Minnesota 55101

REMITTANCES—Remittances MUST be forwarded directly to:

3M Business Products Sales Inc.
General Offices
P. O. Box 33898
St. Paul, Minnesota 55133

3M "2000"
SERIES of
PROCESSOR-CAMERAS

The "2000" Series of Processor-Cameras reduce documentation to microfilm premounted in data processing size cards. The microfilm is exposed, completely processed and delivered in just 40 seconds.

With anti-halation, high resolution camera card mircofilm, processor-camera lenses provide quality that exceeds Department of Defense resolution specifications. 113.6 lines per millimeter at 16:1, 120 lines per millimeter at 24:1 and 135 lines per millimeter at 30:1 reductions are assured.

Operator convenience is provided with pushbutton operation and no spill chemical loading. No external plumbing is necessary. Fluorescent lighting features even illumination across the copyboard.

3M "2000E" PROCESSOR-CAMERA

Special Item 21-1 FSN 6720-251-2403

The "2000E" Processor-Camera handles originals up to 36" x 48" in size. This advanced processor-camera with three turret mounted lenses provides reduction ratios of 16:1, 24:1, 30:1. A through E size drawings can be accommodated on the same copyboard.

DIMENSIONS: 78" high, 90" wide, 44" deep. Weight: approximately 550 pounds. Electrical requirements: 100-130 volts, 15 amperes, 60 cycles per second. Cartridge capacity: 500 cards. Chemical capacity: 1 qt. CD-4 Developer, 1 qt. H-1 Fixer, 1 qt. Wash.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"2000E" Processor-Camera				
78AAE-105BAE	$11,650.00	1	6 %	$10,951.00
		2	9 %	10,601.50

3M "2000" PROCESSOR-CAMERAS

Special Item 21-1 FSN 6720-251-2403

The "2000" Series II Processor-Cameras handle originals up to 24" x 36" and 30" x 40" in size. A variety of reduction ratios are available on specified models. A movable copy platform raises and lowers at the push of a button.

DIMENSIONS: Height, 61"; width, 72"; depth, 34". **Weight:** approximately 450 pounds, **Electrical requirements:** 100-130 volts, 15 amperes, 60 cycles per second. **Cartridge capacity:** 500 cards.
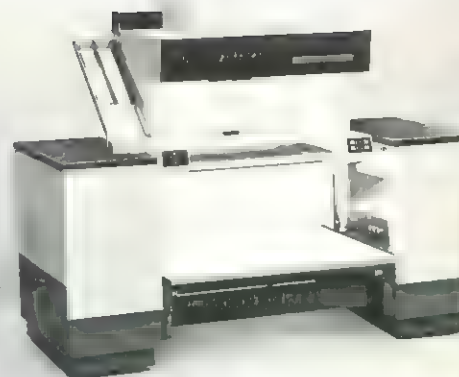
Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"2000" Processor-Camera — 16x reduction, without stand, 18" x 24" copy area.				
78AA	$ 6,590.00	1	6%	$ 6,194.60
		2	9%	5,996,90
		3	10%	5,931.00
"2000" Processor-Camera — 16x and 24x reduction, with stand, 24" x 36" copy area.				
78AA-105BA	$ 8,185.00	1	6%	$ 7,693.90
		2	9%	7,448.35
		3	10%	7,366.50
"2000B" Processor-Camera — 16x and 26.6x reductions, with stand, 30" x 40" copy area.				
78AA-105BLD	$ 8,185.00	1	6%	$ 7,693.90
		2	9%	7,448.35
		3	10%	7,366.50

FOR INTERNATIONAL USE

Special Item 21-1

The series of "2000" Processor-Cameras is also available for international use. All specifications and product features are the same except for **Electrical requirements:** 90-250 volts, 15 amperes, 50 cycle AC, 3 prong plug.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"2000E" Processor-Camera				
78ABE-105BBE	$11,870.00	1	6%	$11,157.80
		2	9%	10,801.70
"2000" Processor-Camera—16x reduction, without stand, 18" x 24" copy area.				
78AB	6,650.00	1	6%	$ 6,251.00
		2	9%	6,051.50
		3	10%	5,985.00
"2000" Processor-Camera—16x and 24x reductions with stand, 24" x 36" copy area.				
78AB-105BB	$ 8,305.00	1	6%	$ 7,806.70
		2	9%	7,557.55
		3	10%	7,474.50
"2000B" Processor-Camera — 16x and 26.6x reductions, with stand, 30" x 40" copy area.				
78AB-105BLE	$ 8,305.00	1	6%	$ 7,806.70
		2	9%	7,557.55
		3	10%	7,474.50

ACCESSORIES/SUPPLIES
for
PROCESSOR-CAMERA

Special Item 21-1a

CARD MAGAZINE

Special Item 21-1a

Additional card magazines are useful for multiple systems of Processor-Camera. Fit all Model "2000" Processor-Cameras.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"2000" Card Magazine				
	$75.00 ea.	1	5%	$71.25 ea.

BACKLIGHTING KIT FOR "2000E"

Special Item 21-1a

Now poor quality originals can be filmed with the added contrast of backlighting. Even sepias come out sharp and clear. Backlighting is definitely here to stay. (Price does not include installation.)

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
Backlighting Kit for "2000E"				
	$1,343.00	1	5%	$1,275.85

REDUCTION RATIO MODIFICATION KITS

Special Item No. 21-1a

Description	Suggested List Price*	Gov't Disc.	Gov't Net Price
14.5X-15X Adjustable Kit for "2000" Processor-Camera upper copy board (Model 78), with 17.4" x 23.4" to 18" x 24.2" copy area respectively	$125.00 ea.	5%	$118.75 ea.
29X Kit for "2000" Processor-Camera lower copy board (Models 78 & 105), up to 30" x 40" copy area	$800.00 ea.	5%	$760.00 ea.
30X Kit for "2000" Processor-Camera lower copy board (Models 78 & 105), up to 30" x 40" copy area	$800.00 ea.	5%	$760.00 ea.

*Prices do not include installation.

DEVELOPERS AND FIXERS

Special Item 21-1a

Type CD-3 Developer to be used with 3M Brand "1000" Processor-Cameras only (order in increments of 12 quarts per case).

Type CD-4 Developer to be used with 3M Brand AHR Camera Cards in 3M Brand "2000" Processor-Cameras only (order in increments of 12 quarts per case).

Fixing Solution to be used with all 3M Brand Camera Cards and either CD-3 or CD-4 (order in increments of 12 quarts per case).

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
CD-3	$1.85 per qt.	1	5%	$1.76 per qt.
CD-4	1.85 per qt.	1	5%	1.76 per qt.
Fixer	1.85 per qt.	1	5%	1.76 per qt.

3M BRAND CAMERA CARDS

Special Item No. 21-1a

3M CAMERA CARDS are packed in cartridges of 500 cards each. In use, the cartridge is loaded in a magazine and the magazine with the cartridge is inserted into the processor-camera. These cards contain Anti-halation High Resolution (AHR) silver film.

Price per Cartridge (500 Cards):

Quantity (Cartridges)	Suggested List Price	Gov't Discount	Gov't Net Price
4-96	$42.90	6%	$40.33
100-296	39.99	6%	37.59
300-Up	38.94	6%	36.60

NOTE:

(1) **Minimum Order Quantity:** 4 Cartridges (2000 Cards). Order in increments of 4 Cartridges.

(2) A cartridge weighs 3.5 pounds. Cards should be stored in a cool, dry place and are dated to be used within six months.

(3) Corner Cuts—No Charge
Rounded Corners—No Charge
All Cards are Edgecoated

ADDITIONAL FEATURES

PRINTING ON REVERSE IN BLACK INK . . . . . 35¢ per thousand cards

OVERPRINTING IN BLACK INK

    First overprint . . . . No Charge
    Each additional overprint . . . . $5.00 per thousand cards

COLORED INK (Brown, Red, Blue, Green, Violet)

    Printing one side, per color . . . . 5¢ per thousand cards
    Printing both sides, same color . . . . . 45¢ per thousand cards
    Printing reverse side . . . . 40¢ per thousand cards
        first color
        5¢ each additional color

OVERPRINTING IN COLORED INK (Brown, Red, Blue, Green, Violet)

    One side, per color . . . . $ 5.00 per thousand cards
    Both sides, same color . . . . $10.00 per thousand cards
    Reverse side, per color . . . . $ 5.00 per thousand cards

HORIZONTAL STRIPING: Per side, per stripe . . . 1¢ per thousand cards
    ¼" wide stripe extending horizontally across the entire length of the cards.
    (Available colors: Red, Blue, Green, Violet, Yellow, Salmon, Rose)

    CREATION OF NEW ELECTROPLATE $50.00

SPECIAL CARD STOCK

    WHITE STOCK . . . . 10¢ additional per
                                                thousand cards
    COLORED STOCK . . . . 5¢ additional per
                                                thousand cards
    (Available colors: Red, Blue, Green, Yellow, Brown, Salmon)

3M "3400" CARTRIDGE MICROFILM CAMERA

Special Item Nos. 21-1 & 21-1a

The "3400" Cartridge Microfilm Camera photographs 2400 original letter-size documents as fast as you can feed them. It's a rotary microfilm camera using cartridge ease and convenience. Fingers never touch the 100 feet of 16-mm microfilm. Just slip in the cartridge, photograph and remove the cartridge for filming at a later time. Many departments can have their own cartridge and film on the "3400" whenever time and paperwork are available.

Push button operation and an odometer showing film footage enables you to index the cartridge while filming for quick reference and retrieval later on. Edge coding or blip encoding capability is also available on special models of the "3400" Cartridge Camera. It permits fully automated retrieval on page searching reader-printers. With the "400" Page Search, the "3400" forms a complete microfilm system.

DIMENSIONS: Width — 26"; Height — 12"; Depth — 31". **Weight:** approximately 90 pounds. **Electrical requirements:** 115 volts, 3 amperes, 50/60 cycle. **Light Source:** Two broad spectral range green fluorescent lamps. **Cartridge Capacity:** 2400 letter size documents per 100 foot 16mm roll.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"3400" Cartridge Camera				
119BA	$2,725.00	1	6%	$2,561.50
		2-4	9%	2,479.75
		5	10%	2,452.50
"3400-BE" Cartridge Camera—With Blip Encoding				
119BAA	$3,125.00	1	6%	$2,937.50
		2-4	9%	2,843.75
		5	10%	2,812.50
"3400" Camera Stand — with work area				
	$ 225.00	1	6%	$ 211.50
		2-4	9%	204.75
		5	10%	202.50

2" Ball Casters — Set of 4
Special Item 21-1a

	$ 9.50	1 Set	5%	$ 9.03 Set

Cartridge Film for "3400" Cartridge Camera—Prices do not include processing. Order in increments of 10 cartridges.

Special Item No. 21-1a

$6.55 ea.	10-40	5%	$6.22
	50-490	7%	6.09
	500-Up	10%	5.90

FOR INTERNATIONAL USE

Special Item 21-1

The "3400" Cartridge Microfilm Camera is also available for international use. All specifications and product features are the same except for **Electrical requirements:** 90-250 volts, 5 amperes, 50/60 cycles AC.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"3400" Cartridge Camera				
119AB	$2,790.00	1	6%	$2,622.60
		2	9%	2,538.90
		3	10%	2,511.00
"3400 BE" Cartridge Camera—With Blip Encoding				
119BH	$3,190.00	1	6%	$2,998.60
		2	9%	2,902.90
		3	10%	2,871.00

3M READERS

3M "400 PAGE SEARCH" READER

Special Item 21-17

The 3M Brand "400" Page Search unit combines the reliability of the 3M Brand "400" series units with an all-new, compact electronic logic package to provide a versatile and convenient 16mm cartridge film retrieval unit.

It will find a specific image in record time. Page Search will move from one specific image to another in a file—in either direction—quickly and precisely.

Page Search will pack up the entire film in its cartridge—automatically—when the search is complete.

Page Search will do this with any kind of blip-encoded 16mm microfilm, positive or negative. Page Search will handle dry or wet process silver film, diazo film or Kalvar film with comparable ease and precision. A turret which rotates and provides lateral film traverse makes it possible to handle all formats—comic and cine mode, simplex, duo and duplex film.

DIMENSIONS: Base: 17" wide by 21½" deep; 26½" high. **Electrical requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light source:** 170 watt, 20 volt quartz iodine with reflector. Lamp position adjustable along optical centerline.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
3M "400 Page Search" Reader—Without lens. See page 24.				
75AAR	$4,390.00 ea.	1	6%	$4,126.60 ea.
		2	9%	3,994.90 ea.
		3	10%	3,951.00 ea.

3M "500CR" CARTRIDGE READER

Special Item 21-17

The "500CR" Cartridge Reader is ideal for viewing computer output on microfilm.

It has automatic threading and motorized film drive that permits convenient and rapid handling of cartridged microfilm.

Variable film speeds of ten inch to 400 feet per minute. Facilitates the look-up of information. An odometer keyed to an external index allows rapid location of data.

A large 14" x 16" screen permits clear viewing. Easy to change lenses permits clear versatility for any size microfilm reduction.

360° turret rotation and film traverse permits right reading of filmed images.

Fastback styling fits any office decor.

DIMENSIONS: Base: 17" wide by 21½" deep; 27½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light Source:** 170 Watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"500CR" Cartridge Reader — Without lens. See page 24.				
275AAD	$1,263.00	1	6%	$1,187.22
		2	9%	1,149.33
		3	10%	1,136.70

3M "COR 701" CARTRIDGE/ MICROFICHE READER

Special Item No. 21-17

The 3M "COR 701" Cartridge/Microfiche Reader is an excellent reader for COM applications. It will accept 16mm film in cartridges and microfiche up to 6" x 8". If on positive film, both formats may be in the machine and selectively viewed. Odometer indexing capability. Price includes either Blue or Clear Viewing Screen. Specify color.
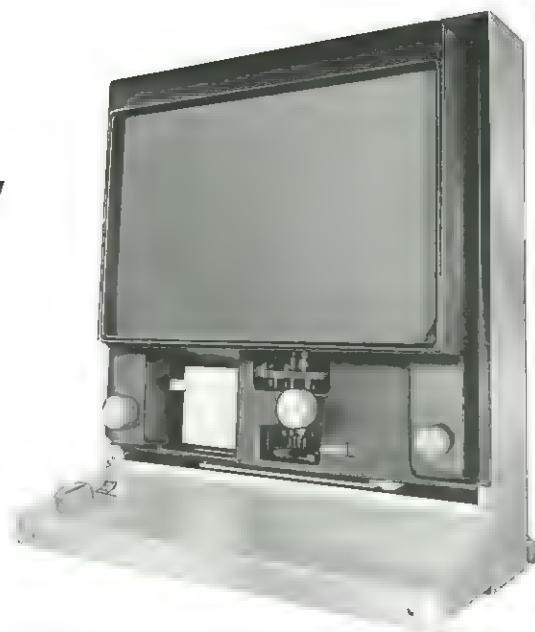
Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"COR 701" Cartridge/Microfiche Reader—Price includes 24X Lens.				
COR 701	$895.00	1-24	6%	$841.30
		25-Up	9%	814.45

FOR INTERNATIONAL USE

The following Readers are also available for international use. Specifications are the same except for electrical requirements: 90-250 volts, 4 amperes, 50/60 cycles AC.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
Special Item 21-17				
"400 Page Search" Reader—Without lens. See page 24.				
75ABR	$4,440.00	1	6%	$4,173.60
		2	9%	4,040.40
Special Item 21-17		3	10%	3,996.00
"500CR" Cartridge Reader—Without lens. See page 24.				
275ABD	$1,313.00	1	6%	$1,234.22
		2	9%	1,194.83
		3	10%	1,181.70

3M READER - PRINTERS

3M "200" SERIES OF READER-PRINTERS

The "200" Series of Reader-Printers makes up to 18"x 24" prints in seconds from microfilm aperture cards and roll film. The advantages of a reader and a printer are combined in this unit. Film is easily read on a big 18" x 24" screen and prints 18" x 24" or 12" x 18" are available at the push of a button.

> **DIMENSIONS:** 32" high; 31" wide, 36" deep. **Weight:** 315 pounds. **Electrical requirements:** 110 volts, 6 amperes, AC current, 60 cycles.

"200" READER-PRINTER

Special Item 21-14

The "200" Reader-Printer enlarges microfilm aperture cards and film jackets for easy viewing and printing.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"200" Reader-Printer — with 14.5x lens.				
29CA	$1,845.00	1	6 %	$1,734.30
		2	9 %	1,678.95
		3	10 %	1,660.50

"200R" READER-PRINTER

Special Item 21-14

FSN 6730-410-9840

The "200R" Reader-Printer provides all the advantages of the 200 plus the added capability of retrieving information filed on 16mm and 35mm roll microfilm.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"200R" Reader-Printer — with 14.5x lens.				
29CR	$2,135.00	1	6%	$2,006.90
		2	9%	1,942.85
		3	10%	1,921.50

FOR INTERNATIONAL USE

All "200" Series Reader-Printers are available for international use. Specifications and features are the same except for **electrical requirements: 90-250 volts, 6 amperes, 50/60 cycles AC.**

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"200" Reader-Printer — with 14.5x lens.				
29CB	$1,870.00	1	6%	$1,757.80
		2	9%	1,701.70
		3	10%	1,683.00
"200R" Reader-Printer — with 14.5x lens.				
29CRB	$2,150.00	1	6%	$2,021.00
		2	9%	1,956.50
		3	10%	1,935.00

3M "400" SERIES OF READER-PRINTERS

The "400" Series of microfilm Reader-Printers handle the full range of micro-formats. Large screen viewing is provided for 16mm and 35mm rolls, microfilm jackets and fiche as well as aperture cards and cartridges. Sharp, dry, 6-second copies are provided at the push of a button.

Motorized film drive is available, and with lateral film traverse, 360° turret rotation, a variety of interchangeable lenses and odometer for roll film formats, the "400" Reader-Printers offer a great deal of flexibility.

DIMENSIONS: Base: 17" wide by 21½" deep; 26½" high. **Electrical requirements:** 110 volts, 10 amperes, 60 cycles AC. **Light Source:** 200 watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.

# 3M "400C" READER-PRINTER

Special Item 21-18   FSN 6730-400-5867

The "400C" Cartridge Reader-Printer provides motorized retrieval and fast reproduction in one machine. The "400C" enables the viewer to scan, read, and print from compact, easy to load cartridges containing 100 feet of 16mm film — the film is never touched.

Motorized film drive provides scanning speeds from ten inches to 400 feet per minute. Lateral film traverse and 360° turret rotation assures convenient viewing of duo-duplex imaged microfilm. A whole range of magnification lenses are available to handle a whole realm of reduction ratios. A handy odometer makes any document easily found.

Obtaining a print is pushbutton easy and takes only six seconds on the "400C". Blends well with any office decor.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"400C" Traversing Cartridge Reader-Printer — Without lens. See page 24.				
75AFY-T	$1,465.00	1	6%	$1,377.10
		2	9%	1,333.15
		3	10%	1,318.50

3M "400M" READER-PRINTER

Special Item 21-14 FSN 6730-251-8663

The "400M" Reader-Printer provides motorized retrieval of 16mm and 35mm microfilm records. It also accepts jackets, aperture cards and microfiche. The variable film drive and handy odometer allow you to retrieve data at speeds of 10 inches to 400 feet per minute.

Great versatility is afforded with a choice of ten interchangeable lenses and six second print capability 360° turret rotation offers additional flexibility in positioning, reading and then printing images from microfilm.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"400M" Motorized Reader-Printer — Without lens. See page 24.				
75AFB	$1,250.00	1	6%	$1,175.00
		2	9%	1,137.50
		3	10%	1,125.00

3M "400B" READER-PRINTER

Special Item 21-14 FSN 6730-072-0302

The "400B" Reader-Printer provides manual retrieval of 16mm and 35mm microfilm rolls, aperture cards, jackets and fiche.

Sharp, dry copies are delivered in only six seconds at the push of a button. Reading as well as printing convenience is assured with flexible 360° turret rotation. A handy odometer helps locate any document stored on a roll of film.

Easy to change magnification lenses are available to make a variety of microfilm reduction ratios accessible to the user. A large screen provides excellent reference viewing.
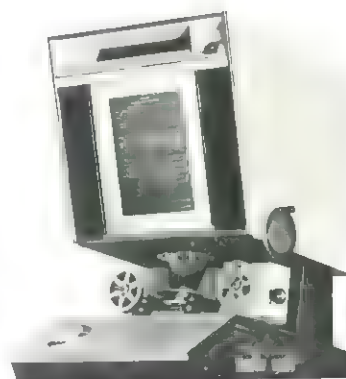
Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"400B" Reader-Printer — Without lens. See page 24.				
75AA	$1,035.00	1	6%	$ 972.90
		2	9%	941.85
		3	10%	931.50

3M "400F" READER-PRINTER

Special Item 21-14

The "400F" Reader-Printer provides reference viewing and six-second prints for microfiche or microfilm jackets up to 5" x 8".

Easy positioning is managed with a double-action film holder. Movement from image to image is precise and smooth without ever touching the film.

The "400F" eliminates time-consuming transcriptions of microfiche records. A touch of a button delivers exact, error-free copies.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"400F" Microfiche Reader-Printer — Without lens. See page 24. Also without Microfiche holder. See page 29 for price and size.				
75AAM	$1,020.00	1	6 %	$958.80
		2	9 %	928.20
		3	10 %	918.00

3M "400FF" READER-PRINTER

Special Item No. 21-14
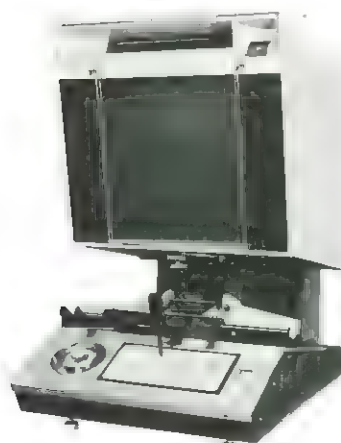
The "400FF" Microfiche Reader-Printer features an easy-open film holder with convenient handle and locator arm. The locator arm and a microfiche index card permit precise and fast positioning of the image.

The "400FF" provides instant reference viewing and six-second prints from microfiche or jackets as large as 4" x 8". The unit also has a half-sheet/full-sheet accessory capability.

Electrical Requirements: 90-250 volts, 10 amperes, 50/60 cycle AC.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"400FF" Microfiche Reader-Printer—Without lens. See page 24.				
75ACM	$1,375.00	1	6 %	$1,292.50
		2	9 %	$1,251.25
		3	10 %	$1,237.50

3M "400 PAGE SEARCH" READER-PRINTER

Special Item 21-18

Has all the advantages and print-out features of the "400C" Reader-Printer with the added ability of retrieving specific film images by means of a digital keyboard. The "400" Page Search Reader-Printer will move from one specific image to another — in either direction — quickly and precisely. Film is rewound into its cartridge automatically at the end of the search.

Page Search accepts and provides print-out of any kind of blip-encoded 16mm microfilm, positive or negative. A rotating turret assembly provides lateral film traverse making it possible to handle all formats — comic and cine mode, simplex, duo and duplex film.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
3M "400 Page Search" Reader-Printer—Without lens. See page 24.				
75AAP	$4,890.00	1	6 %	$4,596.60
		2	9 %	4,449.90
		3	10 %	4,401.00

FOR INTERNATIONAL USE

The "400" Series of Reader-Printers is also available for international use. All specifications and dimensions are the same except for 90-250 volt, 10 amperes, 50/60 cycle AC electrical requirements.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
Special Item 21-18				
"400C" Traversing Cartridge Reader-Printer—Without lens. See page 24.				
75AKC-T	$1,515.00	1	6%	$1,424.10
		2	9%	1,378.65
		3	10%	1,363.50
Special Item 21-14				
"400B" Printer-Reader—Without lens. See page 24.				
75AB	$1,060.00	1	6%	$ 996.40
		2	9%	964.60
		3	10%	954.00
Special Item 21-14				
"400M" Motorized Reader-Printer—Without lens. See page 24.				
75AKB	$1,290.00	1	6%	$1,212.60
		2	9%	1,173.90
		3	10%	1,161.00
Special Item 21-14				
"400F" Microfiche Reader-Printer—Without lens. See page 24. Also without microfiche holder. See page 29 for price and size.				
75ABM	$1,045.00	1	6%	$ 982.30
		2	9%	950.95
		3	10%	940.50
Special Item 21-18				
"400 Page Search" Reader-Printer—Without lens. See page 24.				
75ABP	$4,940.00	1	6%	$4,643.60
		2	9%	4,495.40
		3	10%	4,446.00

3M "500" SERIES OF READER-PRINTERS

Special Item 21-14, 21-18

The "500" Series of Reader-Printers produces a dry-copy print that cuts print cost by almost 50 percent. "500M" Reader-Printers for 16mm and 35mm roll film, and the "500C" for 16mm cartridge film feature 3M Dry-Silver technology combined with the design reliability of the successful 3M "400" Series of Reader-Printers.

The completely dry print capability not only reduces print cost, but also simplifies office maintenance since it does not require chemicals or other liquids. A bright 12" x 16" screen complete with light shield affords the user optimum viewing conditions. A 500 foot paper supply minimizes reloading.

DIMENSIONS: Base: 18¼" wide and 24¾" deep; 31½" high. **Electrical requirements:** 10 amperes, 110 volts, 60 cycles. **Light source:** 200 watt high illumination lamp. **Weight:** 140 lbs.

3M "500C" READER-PRINTER

Special Item 21-18

The "500C" Reader-Printer delivers low-cost, completely dry prints from cartridge microfilm at the push of a button. Wide latitude of Dry-Silver paper produces excellent copies for even poor quality film.

Information is retrieved quickly and precisely with motorized film drive and variable speed control. 360-degree turret rotation and film traverse permits upright reading of all microfilm image formats.

A variety of easy-to-change lenses are available to handle different microfilm reductions.
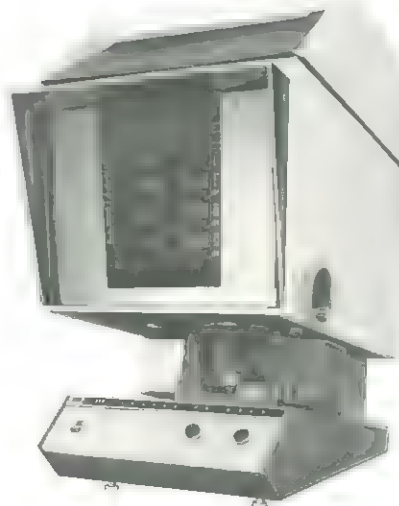
Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"500C" Cartridge Reader-Printer — Without lens. See page 24.				
275AAC	$2,880.00	1	6%	$2,707.20
		2	9%	2,620.80
		3	10%	2,592.00

21
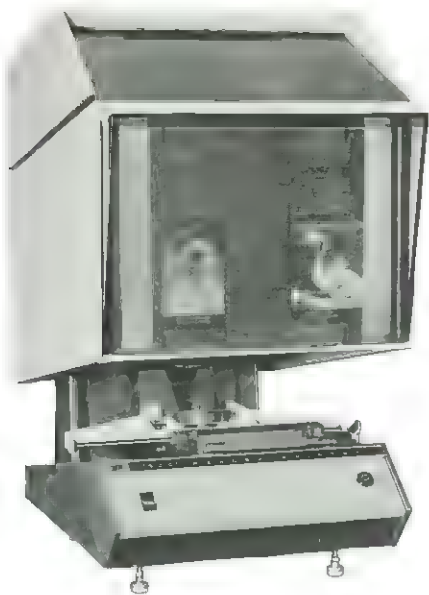
3M "500F" READER-PRINTER

Special Item No. 21-14

The "500F" delivers low cost, completely dry prints at the push of a button. The wide latitude of Dry-Silver paper produces excellent copies, even from poor quality film. It handles multi-image sheet film—microfiche, microfilm jacket or aperture card up to 6" x 8". The unit also features compatible snap-on indexing strips for all standard microfiche formats. Automatic opening, double action film carrier provides easy one hand film insertion, removal and smooth image to image referencing.

Model	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"500F" Microfiche Reader-Printer—Without lens. See page 24. Also without microfiche holder. See page 29 for price and size.				
275AAM	$2,205.00	1	6 %	$2,072.70
		2	9 %	$2,006.55
		3	10 %	$1,984.50
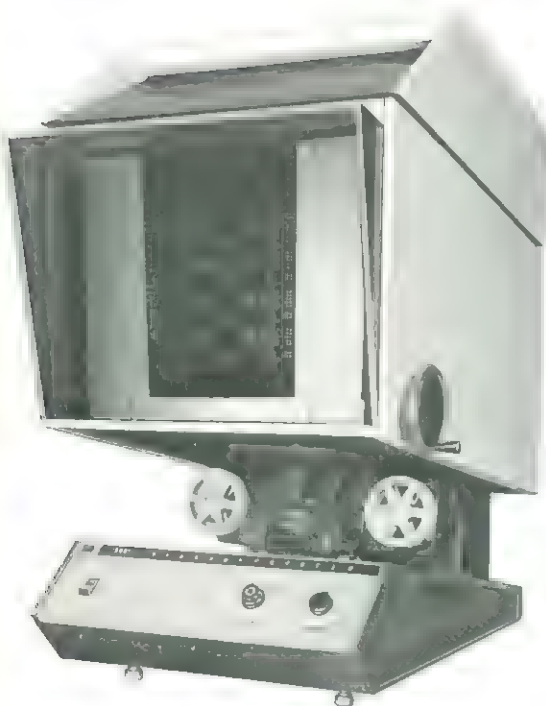
3M "500M" MOTORIZED READER-PRINTER

Special Item 21-14

The "500M" is a motorized reader-printer that handles 16mm and 35mm film on open spools as well as aperture cards, microfilm jackets and microfiche. Excellent copies are produced on wide latitude dry-silver paper.

Motorized film drive allows you to scan images at variable speeds of 10 inches to 400 feet per minute. Convenient 360° turret rotation and film traverse provides easy reading of all film formats.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"500M" Motorized Reader-Printer — Without lens. See page 24.				
275AAR	$2,580.00	1	6 %	$2,425.20
		2	9 %	2,347.80
		3	10 %	2,322.00

3M "500" PAGE SEARCH READER-PRINTER

Special Item No. 21-18

The 3M "500" Page Search Reader-Printer retrieves specific microfilm images in just seconds with digital keyboard input and pushbutton simplicity. It provides low-cost, completely dry prints on wide latitude dry-silver paper that produces excellent copies from even poor quality film. Includes film traverse and image rotation capability. It handles any blip-encoded 16 mm microfilm, positive or negative, with automatic centering feature.

Model	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
"500" Page Search Reader-Printer—Without lens. See page 24.				
275AAP	$6,075.00	1	6%	$5,710.50
		2	9%	$5,528.25
		3	10%	$5,467.50

FOR INTERNATIONAL USE

The "500" Series of Reader-Printers, under Special Item No. 21-18, is also available for international use. All features and advantages are identical except for 90-250 volt, 10 ampere, 50/60 cycle AC electrical requirements.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
Special Item 21-18				
"500C" Cartridge Reader-Printer—Without lens. See page 24.				
275ABC	$2,930.00	1	6%	$2,754.20
		2	9%	2,666.30
		3	10%	2,637.00
Special Item 21-18				
"500" Page Search Reader-Printer—Without lens. See Page 24.				
275ABP	$6,125.00	1	6%	$5,757.50
		2	9%	5,573.75
		3	10%	5,512.50
Special Item 21-14				
"500M" Motorized Reader-Printer—Without lens. See page 24.				
275ABR	$2,630.00	1	6%	$2,472.20
		2	9%	2,393.30
		3	10%	2,367.00
Special Item 21-14				
"500F" Microfiche Reader-Printer—Without lens. See page 24. Also without microfiche holder. See page 29 for price and size.				
275ABM	$2,255.00	1	6%	$2,119.70
		2	9%	2,052.05
		3	10%	2,029.50

ACCESSORIES for READERS and READER-PRINTERS

Special Items 21-14a, 21-17a, 21-18a

LENSES and ADAPTATION KITS

"400" and "500"
READERS and READER-PRINTERS

The "400" and "500" Series of Reader-Printers is made more flexible with a variety of interchangeable lenses. Twelve reduction ratios from 6.5:1 to 35:1 are made readable and printable. Lenses are of high quality, refraction and defraction limited and have a fixed focus. Any microfilm image from check stubs to computer output microfilm is made accessible. A list of combinations of lenses and specific Reader-Printers follows. It will help you order the right combination and required accessory kits that will make readers and reader-printers more productive.

	400CR-T	500CR-T	400 Page Search Reader	400B	400M	400C-T	400F	400FF	400 Page Search Reader-Printer	500M	500F	500C-T	500 Page Search Reader-Printer
6.59 X				1+2	1+2		1+2	1+2			1+2		
8.05 X				2	2		2	2		2	2		
10.6 X				2	2		2	2		2	2		
12.05 X		·		X	X		X	X		X	X		
14.88 X	6	6	6	X	X	6	X	X	6	X	X	6	6
15.7 X	6	6	6	X	X	6	X	X	6	X	X	6	6
18.25 X	X	X	X	X	X	X	X	X	X	X	X	X	X
20.78 X	X	X	X	X	X	X	X	X	X	X	X	X	X
23 X	X	X	X	X	X	X	X	X	X	X	X	X	X
25 X	X	X	X	X	X	X	X	X	X	X	X	X	X
29 X	3	3	3	4	4	3	4	4	3	4	4	3	3
35 X				4+5	4+5		4	4		4+5	4		

X—Fully compatible without use of adaptation kits

1—Compatible on all machines except those equipped with Large Screen Kits

2—Requires use of LENS PLATE KIT, LOW RANGE

3—Requires use of 29X LENS ADAPTER and 29X LENS CONDENSER

4—Requires use of LENS PLATE KIT, HIGH RANGE

5—Requires use of 35X CLAMP KIT

6—Compatible, but full size image is not obtainable
  Blank—Not compatible

Prices are on page 25.

"400" and "500" cont'd

Special Items No's. 21-14a, 21-17a, 21-18a

Item	(Kit price does not include installation charge)	Suggested List Price	Gov't Discount	Gov't Net Price
All Lenses		$115.00 ea.	5%	$109.25 ea.
Lens Plate Kit, Low Range		47.57 ea.	5%	45.19 ea.
29X Lens Adapter		6.23 ea.	5%	5.92 ea.
29X Lens Condenser		9.63 ea.	5%	9.15 ea.
Lens Plate Kit, High Range		22.50 ea.	5%	21.38 ea.
35X Clamp Kit		15.75 ea.	5%	14.96 ea.

"200" READER-PRINTER

Special Item No. 21-14a

May be installed on any "200" Series Reader-Printer in place of the standard 14.5X Lens.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
15X Lens	$150.00 ea.	5%	$142.50 ea.
12X Lens	331.54 ea.	5%	314.96 ea.

"EXECUTIVE" READER-PRINTERS

Special Item No. 21-14a

Item	Suggested List Price	Gov't Discount	Gov't Net Price
15X Lens (For all new "Executives" & "Executive I's" with number 103567 or above.)	$ 35.00 ea.	5%	$ 33.25 ea.
15X Lens Kit (including 15X lens for machines prior to number 103567) .	66.40 ea.	5%	63.08 ea.
20X Lens	35.00 ea.	5%	33.25 ea.
24X Lens	35.00 ea.	5%	33.25 ea.
32X Lens (For "Executive's" with brite-light source only)	60.00 ea.	5%	57.00 ea.

PLATEN ASSEMBLY *Special Item No's. 21-17a, 21-18a*

Enable the "400" or "500" Cartridge Readers and Reader-Printers (including traversing units) to obtain optimum continuous focusing across the frame of film with films of different thicknesses.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Diazo Platen Assembly (For Diazo & 3 mil or thin film)	$ 40.00 ea.	5%	$ 38.00 ea.
Silver Platen Assembly* (For Silver & 6 mil or normal film) . . .	40.00 ea.	5%	38.00 ea.

*Included on all "400" and "500" cartridge machines.

ACCESSORIES FOR
3M "EXECUTIVE" READER-PRINTERS

Special Item No. 21-14a

INDEX GRIDS

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Aperture Card Format Dual sided: 8-up 24X; 4-up 15X	$4.19 ea.	5%	$3.98 ea.
Fiche Format Dual sided: ANSI 20X; COSTATI 20X	1.95 ea.	5%	1.85 ea.
Fiche Format ANSI 24X	1.95 ea.	5%	1.85 ea.
Tab Fiche Format IBM 20X	5.01 ea.	5%	4.76 ea.
Tab Fiche Format IBM 24X	5.01 ea.	5%	4.76 ea.

VIEWING SCREEN

Available in blue or neutral grey, this coated screen provides improved viewing.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
"Executive I" Polycoat Screen	$22.50 ea.	5%	$21.38 ea.

(Specify Color: Blue or Grey)

KIT COMPATIBILITY
for "400" and "500" SERIES READERS and READER-PRINTERS

KITS	READERS								READER-PRINTERS				
	400CR-T	400 Page Search Reader	500CR-T	400B	400M	400F	400FF	400C-T	400 Page Search Reader-Printer	500M	500F	500C-T	500 Page Search Reader-Printer
Film Annotator	yes	yes	yes	no	no	no	no	yes	yes	no	no	yes	yes
"400" Half-Sheet			yes	yes	yes	no	yes	yes					
"500" Half-Sheet										yes	yes	yes	yes
"400" Half-Sheet/Full-Sheet			yes	yes	yes	std.	yes	no					
"500" Half-Sheet/Full-Sheet										yes	yes	yes	no
Wide Screen Reader	yes	1	std.										
Wide Screen Reader-Printer				yes	yes	yes	yes	yes	1	std.	std.	std.	std.
Microfiche	no	no	no	yes	yes	std.	std.	no	no	yes	std.	no	no
Odometer	std.	std.	std.	yes	yes			std.	std.	yes		std.	std.
Odometer Mirror	yes	yes	yes	no	no			yes	yes	no		yes	yes
"400" Narrow Sheet			yes	yes	yes	yes	yes	yes					
"500" Narrow Sheet										yes	yes	yes	yes

Yes—Fully Compatible.
No—Not Compatible.
Blank—Not Applicable.
Std.—This capability is a standard feature of machine.
1— Special Kit.

FILM ANNOTATOR KIT *Special Item No. 21-18a*

The Film Annotator, when installed on a "400" or "500" Cartridge Reader-Printer, allows the operator to mark a frame of microfilm while viewing the image of that frame. A red, number 162 "Listo" lead is loaded into the annotator. When the operator desires to mark a frame of film, he simply presses the annotator plunger, which presses the lead onto and across the microfilm frame. The lead marks the film. This mark can be easily seen on the viewing screen and on reader-printer copies of the frame. The mark can be removed by rubbing it with a clean, non-abrasive cloth. Price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Film Annotator Kit	$29.50 ea.	5%	$28.03

WIDE SCREEN KIT

Special Item Nos. 21-14a, 21-17a, 21-18a

Make existing Series "400" Readers and Reader-Printers super viewers with a large screen assembly. Provides sharp, large (12" x 14") viewing in three tints (blue, green, neutral). Specify screen color. Less eye fatigue. Price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
3M "400" Reader-Printer Wide Screen Kit*	$157.50 ea.	5%	$149.63 ea.
3M "400" Reader Wide Screen Kit*	95.50 ea.	5%	90.73 ea.
3M "400 Page Search" Reader-Printer Wide Screen Kit*	186.50 ea.	5%	177.18 ea.
3M "400 Page Search" Reader Wide Screen Kit*	125.00 ea.	5%	118.75 ea.
Wide Screen Assembly (Specify color: Blue, Green, or Neutral Grey)	37.50 ea.	5%	35.63 ea.

*"Wide Screen Kit" requires "Wide Screen Assembly"

ODOMETER KIT *Special Item No. 21-14a*

For the 3M "400B", "400M" and "500M". Gives these units the same odometer indexing capability which is standard on the 400 Cartridge machines, for 16mm film. Price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Odometer Kit	$43.00 ea.	5%	$40.85 ea.

ODOMETER MIRROR KIT *Special Item No's. 21-17a, 21-18a*

For "400" and "500" Series Cartridge Readers and Reader-Printers. Enables easy front viewing of the odometer with turret rotated in 90° position. Price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Odometer Mirror Kit	$9.95 ea.	5%	$9.45 ea.

MICROFICHE KIT AND HOLDER

Special Item No. 21-14a

Enables you to modify a "400B", "400M" or "500M" Reader-Printer for optimum handling of aperture cards, microfiche, or microfilm jackets. Different size holders are available for specific requirements. The microfiche holder must also be ordered for "400F" and "500F". Price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
3M Microfiche Kit *	$185.00 ea.	5%	$175.75 ea.
*Requires one of the following Microfiche Holders:			
Microfiche Holder (8" x 4¼")	$ 35.00 ea.	5%	$ 33.25 ea.
Microfiche Holder (8" x 5¼")	35.00 ea.	5%	33.25 ea.
Microfiche Holder (8" x 7")	35.00 ea.	5%	33.25 ea.

HALF-SHEET/FULL-SHEET KIT

Special Item No's. 21-14a, 21-18a

Any "400" or "500" Series Reader-Printer (except Page Search units) can give a half sheet or a full sheet of printout when an accessory kit is installed. By simply shifting a button a half-size (8" x 4⅝") or full-size (8" x 10¾") copy of the microfilm image emerges from the reader-printer in just six seconds. Helps save on cost per print. Kit price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
"400" H.S./F.S. Kit, ea.	$300.00 ea	5%	$285.00 ea.
"500" H.S./F.S. Kit, ea.	$200.00 ea.	5%	$190.00 ea.

HALF-SHEET KIT *Special Item No's. 21-14a, 21-18a*

Adapts any "400" or "500" Series Reader-Printer to provide a half-sheet print size of 8" x 4⅝". For special applications and filming techniques that require only half sheet printout. Price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
"400" Half-Sheet Kit, ea.	$25.00 ea.	5%	$ 23.75 ea.
"500" Half-Sheet Kit, ea.	$25.00 ea.	5%	$ 23.75 ea.

NARROW-SHEET KIT

Special Item No's. 21-14a, 21-18a

May be installed on any "400" or "500" Series Reader-Printer. "400" Kit accommodates paper 4" to 8" wide. "500" Kit accommodates 4½" paper only. Price does not include installation charge.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
"400" Narrow-Sheet Kit, ea.	$ 12.00 ea.	5%	$ 11.40 ea.
"500" Narrow-Sheet Kit, ea.	$ 80.00 ea.	5%	$ 76.00 ea.

MICROFILM CARTRIDGES & ACCESSORIES

MICROFILM CARTRIDGES *Special Item No. 21-19*

For use with the 3M "400" and "500" Series Cartridge Reader and Cartridge Reader-Printer with and without traverse. Accommodates 16mm film. Available in Beige, Red, Green or Blue.

Ordering Data: 100 per color minimum quantity.
　　　　　　　　Order only in increments of 100 per color.

	Quantity (Cartridges)	Suggested List Price	Gov't Discount	Gov't Net Price
Price,	100	$1.38	5%	$1.31
per Cartridge	1,000	1.21	5%	1.15
	10,000 & up	.99	5%	.94

ACCESSORIES FOR CARTRIDGES *Special Items No. 21-17a, 21-18a*

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Cartridge Leader	$1.40/10	5%	$1.33/10
(Order in increments of 10) Not for Page Search equipment.			
Film Trailers—Red	3.10/10	5%	2.95/10
(Order in increments of 10)			
Cartridge Inserts	7.00/50 pcs.	5%	6.65/50 pcs.

(Order in increments of 50 pieces). Reduces maximum capacity of cartridge by 50%. Two pieces required per cartridge.

Splicing Tabs	17.50/10 bxs.	5%	16.62/10 bxs.

(100 per box—order in increments of 10 boxes). Polyester tape for 16mm film provides permanent repair of film breaks.
(Not for Page Search equipment.)

Cartridge Labels, "Peelable" (Order in increments of 1020)	.07 ea.	5%	.0665 ea.
Cartridge Labels, Non-Peelable (Order in increments of 100)	.07 ea.	5%	.0665 ea.
Cartridge Mailer	6.95 ea.	5%	6.60 ea.

Permanent containers for storing, transporting, or mailing from 1-8 cartridges or 1-8 reels of 16mm microfilm; or, 1-4 cartridges or 1-4 reels of 35mm microfilm

Cartridge Label Protectors (Order in increments of 100)	4.00/100	5%	3.80/100

MICROFILM CARTRIDGE LOADER *Special Item No. 21-19*

Provides a simple convenient means of loading up to 100 feet of standard 16mm microfilm into 3M "400" Microfilm cartridges. Plastic leader and trailer strips supplied with each cartridge are spliced to the microfilm before loading.

DIMENSIONS: 28" wide, 6" deep, 10" high.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Loaders, each	$135.00	5%	$128.25

CARTRIDGE ACCESSORIES for PAGE SEARCH READERS and READER-PRINTERS *Special Items 21-17a, 21-18a*

Description	Suggested List Price	Quantity	Gov't Discount	Gov't Net Price

Opaque Page Search Splicing Tab—For Blip Encoded negative and positive film

100 Tabs per box; 10 boxes per carton (1000 Tabs)
Order in increments of 10 boxes.

	$21.00/10 bxs.	10 bxs. +	5%	$19.95/10 bxs.

Transparent Page Search Leader—For Blip Encoded negative film

10 Leaders per package—Order in increments of 10 leaders.

	$ 1.70/10 ldrs.	10-990	5%	$ 1.62/10 ldrs.
	1.50/10 ldrs.	1000-9990	5%	1.43/10 ldrs.
	1.30/10 ldrs.	10000-Up	5%	1.24/10 ldrs.

Opaque Page Search Leader—For Blip Encoded positive film

10 Leaders per package—Order in increments of 10 leaders.

	$ 3.10/10 ldrs.	10-990	5%	$ 2.95/10 ldrs.
	2.80/10 ldrs.	1000-9990	5%	2.66/10 ldrs.
	2.40/10 ldrs.	10000-Up	5%	2.28/10 ldrs.

Page Search Cartridge Assembly Kit—Without Leader

Order in increments of 100 per color. Available in Beige, Red, Green, or Blue.

	$ 1.16 ea.	100-900	5%	$ 1.10 ea.
	1.02 ea.	1000-9900	5%	.97 ea.
	.88 ea.	10000-Up	5%	.84 ea.

STANDS AND FILING ACCESSORIES

STAND FOR "200" READER-PRINTERS
Special Item No. 21-14a

Includes storage area for supplies and convenient work area.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
"200" Stand	$250.00 ea.	5%	$237.50 ea.

MICROFILM SYSTEMS CENTER
Special Item No's. 21-14a, 21-17a, 21-18a

The versatile microfilm system center is designed to place the screen of 3M Reader and Reader-Printers at a comfortable height for easy viewing and efficient operation. The 20" x 24" machine platform is large enough to accommodate other reader-printers and office machines as well.

Each file drawer can accommodate over 5000 4" x 6" fiche, 70 rolls or cartridges or 3500 aperture cards. Has a slide-out work tray for note taking and work preparation. Provides storage space for supplies on underneath shelf. Is finished in charcoal with 3M Tartan-Clad walnut drawer fronts.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
One-Drawer System Center	Each $225.00	5%	Each $213.75
Two-Drawer System Center	Each $275.00	5%	Each $261.25

3M "112" DESK TOP FILE
Special Item No's. 21-14a, 21-17a, 21-18a

A revolving carousel file is suitable for use alongside any Reader or Reader-Printer. The file holds up to 112 cartridges or 16mm roll microfilm in eight vertically canted non-scratch racks enclosed in a cabinet.

The lazy susan arrangement gives easy access to all cartridges and rolls. Has a very quiet and efficient operation.

DIMENSIONS: 25" diameter, **Height:** 22"
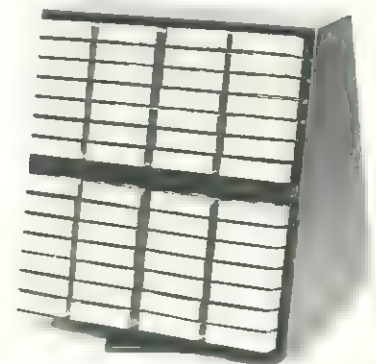
Item	Suggested List Price	Gov't Discount	Gov't Net Price
"112" Desk Top File	$86.00 ea.	5%	$81.70 ea.

3M "333" DRY SILVER PRINTER

Special Item 21-16
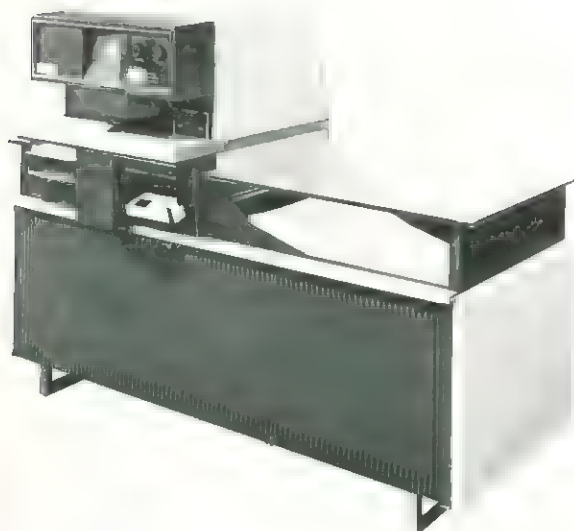
The 3M Brand "333" Dry Silver Printer creates a low cost copy up to 18" x 24" from a single frame of microfilm.

This new, revolutionary, dry silver printing process produces the first copy in 16 seconds, and subsequent copies at the rate of up to six a minute. Twice as fast as most microfilm printers! You can load up to 200 microfilm cards and get as many as 25 prints per card automatically. And its print production is up to 2,800 copies in an eight-hour shift. The "333" is completely dry. No chemicals mean minimum cleanup and machine maintenance time. Print paper, in easy-to-install rolls, is trimmed to size automatically.

The "333" is the perfect companion for the 3M "2000" Microfilm Processor-Camera.

DIMENSIONS: 46¾" high, 61" wide, 29" deep; **Weight:** 500 lbs.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
102AA (With 14.5x lens)	$8,655.00 ea.	1 & Up	5%	$8,222.25 ea.

Electrical requirements: 110-130 volts, 60 cycle AC. Independent 20 amperes, outlet within 6 ft. of machine.

FOR INTERNATIONAL USE

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
102AB (With 14.5x lens)	$8,955.00 ea.	1 & Up	5%	$8,507.25 ea.

Electrical requirements: 90-250 volts, 50 cycle AC.

3M ACCESSORIES for DRY SILVER PRINTERS

Special Item 21-16a

RISER STAND FOR "333" PRINTER

An attractive addition which raises the "333" a total of 14 inches higher for greater ease when the operators will be standing instead of sitting.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Riser for "333"	$225.00 ea.	5%	$213.75 ea.

STATIC ELIMINATOR KIT

An attachment which is installed in the paper stacking tray of the "333" to facilitate easy print removal, folding, and handling.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
Static Eliminator Kit for "333"	$120,00 ea.	5%	$114.00 ea.

(Kit price does not include installation)

OPTIONAL LENSES FOR "333" PRINTER

The standard lens which is included in the "333" has a magnification ratio of 14.5x. These lenses can be installed in the "333" to give it a printing magnification ratio of either 15x or 16x.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
15x Lens for "333"	$475.00 ea.	5%	$451.25 ea.
16x Lens Kit for "333"	475.00 ea.	5%	451.25 ea.

(Kit does not include installation)

3M CARD DUPLICATING EQUIPMENT

Special Item 21-16

3M "DUPLI-PRINTER" CARD-TO-CARD PRINTER

The new 3M Brand Dupli-Printer copies images from master aperture cards of the silver, diazo or thermal type, using either positive or negative masters to produce diazo copies.

With the adjustable exposure range control, high-quality Diazo Duplicards are assured every time — at a rate of eight Duplicards per minute!

Place the 3M Dupli-Printer in the most convenient location in your office — it requires no venting. When you need an ammonia refill, quickly change the sealed ammonia container — no obnoxious fumes even during the changeover!

The 3M Dupli-Printer and Duplicards assure Mil-D aperture card copies that meet every standard.

DIMENSIONS: Height: 38", Length: 30" including work surface (27" from floor), Depth: 15". **Electrical Requirements:** 115 volts, 5 amperes, 60 cycles. **Weight:** 82 lbs.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
420AA	$2,995.00 ea.	1	6%	$2,815.30
		2	9%	2,725.45
		3	10%	2,695.50

FOR INTERNATIONAL USE

420AH 90-250 volts, 8 amperes, 50-60 cycle AC.	$3,145.00	1	6%	$2,956.30
		2	9%	2,861.95
		3	10%	2,830.50

SUPPLIES for DUPLICATING EQUIPMENT

Special Item 21-16a

"DUPLI-PRINTER ABSORBER PACKS
Per pkg. of 2 $11.00/pkg.   5% $10.45/pkg.

AMMONIA CYLINDER ASSEMBLY*
Initial Minimum Order
Qty. of 2 $40.00   5% $38.00 each
*$19.95 credit obtainable for return of empty cylinders.

"086" Ammonia Developer — For use with "Uniprinter 086"
Per quart ordered $1.85/qt.   5% $1.76/qt.
in increments of 12

3M
MICROFILM MOUNTERS
Special Item 21-15

3M HAND MOUNTER – APERTURE SIZE: MIL "D"

Special Item 21-15

With a 3M Hand Mounter anyone can convert roll microfilm to aperture card form in seconds. Film is mounted by inserting aperture card into the mounter, centering the image in the aperture, and depressing a lever. Film is cut and mounted in one operation. An average of 400 frames can be mounted per hour — experienced operators can mount up to 600 frames per hour.

This new improved model has special modified feed rollers, redesigned cutting dies, positive acting film advance knob, spring loaded cam action to facilitate operation.

DIMENSIONS: 6½" high, 7" wide, 9" deep. **Weight:** 16 pounds.
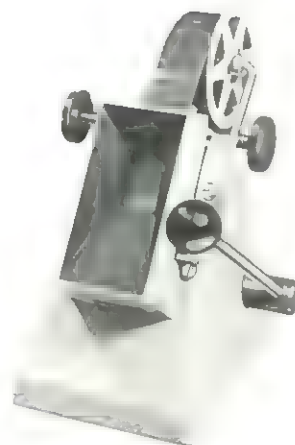
Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
38BA	$ 610.00	1	6%	$ 573.40
		2	9%	555.10
		3	10%	549.00

Electrical requirements: Lamp 6 Watts. 110/120 Volts.

FOR INTERNATIONAL USE

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
38BH	$ 615.00	1	6%	$ 578.10
		2	9%	559.65
		3	10%	553.50

Electrical requirements: 220 Volts, 50/60 cycle AC.

3M SEMI-AUTOMATIC OPTICAL MOUNTER—APERTURE SIZE: MIL "D"

Special Item 21-15

The 3M Semi-Automatic Mounter is designed especially for mounting frames of microfilm into pre-punched account machine cards. The operator centers the film in the mounter screen . . . compares the film data projected on the screen with the posted and punched data on the 3M Aperture Card . . . presses a button to activate the film die that cuts the film frame; positions it in the card, and automatically advances the next film frame.

Operation and maintenance are simple. Exhaust blowers keep the film plane and glass vinyl anvil cooler than most readers. Other features include provision for using 100 or 1000-foot rolls of microfilm; magnifying glass to assist in checking vital data; prism for right reading of data; easy adjustment of mirrors for mounting either negative or positive film.

DIMENSIONS: 50" high, 60¾" wide, 20¼" deep. **Weight:** 253 lbs.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
39BA	$4,365.00	1	6%	$4,103.10
		2	9%	3,972.15
		3	10%	3,928.50

Electrical requirements: Lamp 150 Watts. 120 Volts, base down (G.E.)

FOR INTERNATIONAL USE

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
39BB	$4,380.00	1	6%	$4,117.20
		2	9%	3,985.80
		3	10%	3,942.00

Electrical requirements: 100-240 Volts. 50/60 cycle AC.

SUPPLIES for
READER-PRINTERS
and PRINTERS

3M MICROFILM PRINT PAPER
Special Item 21-40

All papers shall be ordered in carton increments and in no less than the specified minimum carton quantity.

TYPE 761—A special light responsive paper complementary to the 3M Brand Microfilm Reader-Printer Models "100" - "200" - "300"— packaged in roll form; soft white finish; sturdy heavyweight. (Cannot be used in "400" series.) PACKED 4 ROLLS PER CARTON.

TYPE 764—Lighter in weight than Type 761 but more suitable for certain applications. Interchangeable size for size with Type 761, for use in 3M Brand "100", "200", and "300" Reader-Printers. (Cannot be used in "400" series Reader-Printer.) PACKED 4 ROLLS PER CARTON.

TYPE 768—A special light responsive paper complementary to the 3M "400" series Reader-Printers only. Lighter in weight than Type 769 and more suitable for certain applications. It is not interchangeable with Types 761 and 764. PACKED 4 ROLLS PER CARTON.

TYPE 769—A heavier weight paper than Type 768 with which it is interchangeable size for size. Not interchangeable with Types 761 and 764. PACKED 4 ROLLS PER CARTON.

TYPE 771—For use in the "111", "222", and "333" Dry Silver Printers. High quality super calendered stock has sufficient weight for easy handling and is highly resistant to curl. A resin is coated on the image side of the paper provide good writing characteristics. Images are black on a white background. SEE ORDERING INCREMENTS ON PAGE 42.

TYPE 790—For use in the Executive Reader-Printers. Paper is pre-cut 8½" x 11", PACKED 100 SHEETS TO A PACKET WITH TWO PACKETS TO A CARTON. Images are black on white. Excellent writing characteristics.

TYPE 795—For use in the "500" Series of Reader-Printers. Paper is 8½" wide and comes in 500 foot rolls. Images are black on a white background with excellent writing characteristics. 4 ROLLS/CARTON

TYPE 761—3M MICROFILM PRINT PAPER
ORDER IN CARTON INCREMENTS (4 ROLLS PER CARTON)

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
8″ x 300′ (for 3M "100") FSN 7530-543-7274			
4 Rolls	$31.26	7%	$29.07
24 Rolls		10%	28.13
48 Rolls		12%	27.51
96 Rolls		19%	25.32
8½″ x 300′ (for 3M "100") FSN 7530-543-7275			
4 Rolls	$33.23	7%	$30.90
24 Rolls		10%	29.91
48 Rolls		12%	29.24
96 Rolls		19%	26.92
8½″ x 300′ (for 3M "300") FSN 7530-845-8232			
4 Rolls	$33.57	7%	$31.22
24 Rolls		10%	30.21
48 Rolls		12%	29.54
96 Rolls		19%	27.19
11″ x 300′ (for 3M "300") FSN 7530-845-8233			
4 Rolls	$43.42	7%	$40.38
24 Rolls		10%	39.08
48 Rolls		12%	38.21
96 Rolls		19%	35.17
18″ x 237′ (for 3M "200") FSN 7530-656-1040			
4 Rolls	$32.96	8%	$30.32
24 Rolls		10%	29.66
48 Rolls		12%	29.00
96 Rolls		20%	26.37

TYPE 764—3M MICROFILM PRINT PAPER *Special Item No. 21-40*
ORDER IN CARTON INCREMENTS (4 ROLLS PER CARTON)

8″ x 300′ (for 3M "100")			
4 Rolls	$31.26	7%	$29.07
24 Rolls		10%	28.13
48 Rolls		12%	27.51
96 Rolls		19%	25.32
8½″ x 300′ (for 3M "100")			
4 Rolls	$33.23	7%	$30.90
24 Rolls		10%	29.91
48 Rolls		12%	29.24
96 Rolls		19%	26.92

TYPE 764—3M MICROFILM PRINT PAPER (cont'd)

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
8½" x 300' (for 3M "300")			
4 Rolls	$33.57	7%	$31.22
24 Rolls		10%	30.21
48 Rolls		12%	29.54
96 Rolls		19%	27.19
11" x 300' (for 3M "300")			
4 Rolls	$43.42	7%	$40.38
24 Rolls		10%	39.08
48 Rolls		12%	38.21
96 Rolls		19%	35.17
18" x 300' (for 3M "200")			
4 Rolls	$41.62	8%	$38.29
24 Rolls		10%	37.46
48 Rolls		12%	36.63
96 Rolls		20%	33.30

TYPES 768 & 769—3M MICROFILM PRINT PAPER

Special Item No. 21-40—For use with "400" Series R/P's only.

ORDER IN CARTON INCREMENTS (4 ROLLS PER CARTON)

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
4½" x 375' (769 only)			
4 Rolls	$23.50	7%	$21.86
24 Rolls		10%	21.15
48 Rolls		12%	20.68
96 Rolls		19%	19.04
6" x 375' (769 only)			
4 Rolls	31.32	7%	$29.13
24 Rolls		10%	28.19
48 Rolls		12%	27.56
96 Rolls		19%	25.37
8½" x 375' (768 or 769)			
4 Rolls	$37.00	7%	$34.41
24 Rolls		10%	33.30
48 Rolls		12%	32.56
96 Rolls		19%	29.97

TYPE 771—3M DRY SILVER PAPER

Special Item No. 21-40

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
8½" x 400' (For "111" and "222" Dry Silver Printers)			
12 Rolls	$15.11	5%	$14.35
24 Rolls		7%	14.05
48 Rolls		9%	13.75
96 Rolls		12%	13.30

    4 ROLLS PER CARTON—MINIMUM ORDER QUANTITY IS 12 ROLLS. ORDER IN 4-ROLL INCREMENTS THEREAFTER.

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
12" x 1000' (For "333" Dry Silver Printer)			
12-23 Rolls	$35.55	5%	$33.77
24-47 Rolls		9%	32.35
48-95 Rolls		13%	30.93
96-Up Rolls		17.6%	29.29

    1 ROLL PER CARTON—MINIMUM ORDER QUANTITY IS 12 ROLLS. SINGLE-ROLL INCREMENTS MAY BE ORDERED THEREAFTER.

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
18" x 1000' **(Single-Roll Pack)** (For "333" Dry Silver Printer)			
1-23 Rolls	$52.08	5%	$49.48
24-47 Rolls		9%	47.39
48-95 Rolls		13%	45.31
96-Up Rolls		17.6%	42.91

    1 ROLL PER CARTON—MAY BE ORDERED IN SINGLE-ROLL INCREMENTS AS INDICATED.

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
18" x 1000' **(24-Roll Bulk Pack)** (For "333" Dry Silver Printer)			
24 Rolls	$48.00	5%	$45.60
48 Rolls		9%	43.68
96 Rolls		12%	42.24
120 Rolls		14%	41.28
144 Rolls		17%	39.84
192 Rolls		19%	38.88

    ORDER IN 24-ROLL INCREMENTS ONLY.

TYPE 790—DRY SILVER PAPER

Special Item No. 21-40

8½" x 11" sheets, for "Executive" Reader-Printers. 200 sheets per box. Order in 200-sheet increments.

Item	Suggested List Price Per 100 Shts.	Qty-Shts.	Gov't Discount	Gov't Net Price Per 100 Shts.
790—8½ x11"	$10.95	200-1800	5%	$10.40
		2000-9800	6%	10.29
		10000 plus	8%	10.07

TYPE 795—DRY SILVER PAPER

Special Item No. 21-40

3M Dry Silver Paper for "500" Series Reader-Printers—Packed 4 rolls per carton, order in carton increments.

8½" x 500'

4 Rolls	$28.50		5%	$27.08
24 Rolls			7%	26.51
48 Rolls			9%	25.94
96 Rolls			12%	25.08

PRINT ACTIVATOR

Special Item No. 21-41 and FSN 6750-608-1092

PRINT ACTIVATOR—For use with 3M Microfilm Print Paper—Types 761, 764, 768, 769. Packed 12 pints or 12 quarts per case. Specify pints or quarts.

	Per Pint FSN 6750-608-1092	Per Quart Special Item No. 21-41
Suggested List Price:	$2.25	$3.75
Government Discount:	5%	5%
Government Net Price:	$2.14	$3.56

NOTE: Only pint containers can be inserted in the "400" Series Reader-Printers.

MAINTENANCE—GMA PRICES ON MICROFILM EQUIPMENT

Equipment	No. of Annual Insp.	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
100	4	$100.00	$115.00	$130.00	$145.00	$160.00
100MF	4	100.00	115.00	130.00	145.00	160.00
100M	4	150.00	165.00	180.00	195.00	210.00
200	6	160.00	175.00	190.00	205.00	220.00
200R	6	160.00	175.00	190.00	205.00	220.00
300	6	250.00	265.00	280.00	295.00	310.00
400C	6	200.00	215.00	230.00	245.00	260.00
400M	6	200.00	215.00	230.00	245.00	260.00
400B	6	150.00	165.00	180.00	195.00	210.00
400F	6	150.00	165.00	180.00	195.00	210.00
400FF	6	200.00	215.00	230.00	245.00	260.00
400CR	4	100.00	115.00	130.00	145.00	160.00
400CR-T	4	100.00	115.00	130.00	145.00	160.00
400C-T	6	200.00	215.00	230.00	245.00	260.00
400 Page Search Reader	6	350.00	365.00	380.00	395.00	410.00
400 Page Search Reader-Printer	6	400.00	415.00	430.00	445.00	460.00
"111" Dry Silver Printer	4	150.00	165.00	180.00	195.00	210.00
"222" Dry Silver Printer	4	150.00	165.00	180.00	195.00	210.00
*"333" Dry Silver Printer	12	600.00	620.00	640.00	660.00	680.00
Hand Mounter	2	40.00	47.00	54.00	61.00	68.00
Designer 184	2	40.00	47.00	54.00	61.00	68.00
Uniprinter 086	3	135.00	145.00	155.00	165.00	175.00
SAM	6	250.00	265.00	280.00	295.00	310.00
*1000	12	500.00	520.00	540.00	560.00	580.00
*2000 & 2000 (B) — (C) — (D)	12	500.00	520.00	540.00	560.00	580.00
*2000E	12	600.00	620.00	640.00	660.00	680.00
"Executive" Reader-Printers	2	35.00	42.00	49.00	56.00	63.00
*Model 3400 Cartridge Camera	6	200.00	215.00	230.00	245.00	260.00
*3400BE Cartridge Camera	6	260.00	275.00	290.00	305.00	320.00
Dupliprinter	4	210.00	220.00	230.00	240.00	250.00
500M	6	200.00	215.00	230.00	245.00	260.00
500C	6	200.00	215.00	230.00	245.00	260.00
500CR	4	$100.00	$115.00	$130.00	$145.00	$160.00
500 Page Search R.P.	6	400.00	415.00	430.00	445.00	460.00
500F	6	150.00	165.00	180.00	195.00	210.00
COR-701 Reader	2	60.00	67.00	74.00	81.00	88.00

Note: A 5% discount is allowed if five to nine machines are covered at one location.
A 10% discount is allowed if ten or more machines are covered at one location, *except where indicated by asterisk.*

44

Zone 1—Within corporate limits or 15 miles from dealer's office.
Zone 2—Within 15 miles of Zone 1 (15-30 miles from dealer's office or corporate limits)
Zone 3—Within 15 miles of Zone 2 (30-45 miles from dealer's office or corporate limits)
Zone 4—Within 15 miles of Zone 3 (45-60 miles from dealer's office or corporate limits)
Zone 5—Within 15 miles of Zone 4 (60-75 miles from dealer's office or corporate limits)

The Zone Rate beyond Zone 5 is an "open market" item and shall be agreed upon between the local authorized dealer and the Government.

MAINTENANCE

GMA PRICES ON

MICROFILM EQUIPMENT

Maintenance under this agreement consists of the number of periodic inspections specified to include inspection, adjusting, cleaning, and lubrication of equipment covered (exclusive of normal operator maintenance in accordance with manufacturer's operator manuals). This agreement also includes interim service calls, as requested by the user and necessary to keep the equipment in good operating condition in accordance with contractor's specifications, exclusive of labor outside contractor's normal business hours and labor or parts required by reason of:

(a) negligence, misuse or abuse, or failure to follow contractor's instructions in the care, handling and operation of the equipment;

(b) servicing by other than contractor's authorized personnel;

(c) use of other than standard parts recommended by the contractor;

(d) operation of the equipment in other than normal office conditions and environment;

(e) failure to obtain contractor's prior authorization of and follow contractor's instructions for the movement or transfer of equipment; or

(f) repair or replacement of lamps, fuses, sponge rollers, and other normally consumable items.

The transfer of equipment to a location outside the normal servicing area will exclude it from this agreement and subject it to be considered and agreed upon individually. Transfer of equipment to a different zone within the service area subjects this agreement to the applicable rate for that new zone.

For any accessories on the equipment, additional charges will be applicable and are to be agreed upon outside the scope of this agreement.

RENTAL

(Domestic Models Only)

RATES *NOTE: ZONE CHARGES are applicable to ALL UNITS.

Model		Zone 1 * Rental Per Machine Per Month	Minimum Charge Per Machine
"400C-T"	Reader-Printer	$ 82.45	$ 494.70
"400F"	Reader-Printer (7" x 8" Holder)	58.20	349.20
"400 Page Search" Reader		164.90	989.40
"400 Page Search" Reader-Printer		179.45	1,076.70

(Above models available at indicated rates with or without wide screen)

Model			
"500CR"	Reader (*less than 5* on single order)	43.65	261.90
"500CR"	Reader (*5 or more* on single order)	37.83	226.98
"500C"	Reader-Printer	111.55	669.30
"500F"	Reader-Printer (7" x 8" Holder)	83.42	500.52
"500M"	Motorized Reader-Printer	101.85	611.10
"500 Page Search" Reader-Printer		213.40	1,280.40
"COR 701" Reader		60.14	360.84

MODEL "500CR" READER

When an order for less than 5 machines is increased by subsequent amendment(s) to total 5 or more machines and providing they are billable to a single address, the additional units shall be billed at the 5 or more rate. The original units (totaling less than 5) shall remain billable at the higher rate until the minimum charge per machine has been reached.

ACCESSORIES

Half Sheet/Full Sheet Kit: Gov't Rental Rate— $9.70 per month
Additional Lens: Gov't Rental Rate— $4.85 per month

RATES FOR CONTINUATION OF RENTAL FOR FOLLOWING UNITS ONLY:

Model	Zone 1 * Rental Per Month
"400CR-T" Traversing Cartridge Reader (with or without wide screen)	**$38.80**
"400CR" Non-Traversing Cartridge Reader (with or without wide screen)	38.80
"400C" Non-Traversing Cartridge Reader-Printer	72.00
"400C" Non-Traversing Cartridge Reader-Printer (with wide screen)	78.50

ZONE CHARGES

To rates shown, add $1.00 per month, per Zone beyond Zone 1, based on proximity of installation to servicing dealer's office according to the schedule listed below.

ZONES

Zone 1—Within corporate limits or 15 miles from dealer's office.
Zone 2—Within 15 miles of Zone 1 (15-30 miles from dealer's office or corporate limits).
Zone 3—Within 15 miles of Zone 2 (30-45 miles from dealer's office or corporate limits).
Zone 4—Within 15 miles of Zone 3 (45-60 miles from dealer's office or corporate limits).
Zone 5—Within 15 miles of Zone 4 (60-75 miles from dealer's office or corporate limits).
The Zone Rate beyond Zone 5 is an "open market" item and shall be agreed upon between the local authorized dealer and the Government.

PURCHASE OPTION

To purchase a machine on rental a credit in accordance with the following table, up to 100% of the purchase price, may be applied to the GSA purchase price at the inception of the rental or the current GSA purchase price, whichever is lower.

Time of Purchase	Amount of Credit (% of Rentals Paid)
Within 90 days of initial rental	85%
Between 91 and 180 days of initial rental	70%
After 180 days of initial rental	60%

Rental credit applies to specific equipment originally installed and rented continuously by the same Federal Agency. Such credit shall accrue continuously from one lease period to another. Rental Credit cannot be transferred to another agency.

Equipment is guaranteed for 90 days after purchase option is exercised.

FOR FOLLOWING CARTRIDGE UNITS ("400" SERIES)

The following machine Purchase Option applies only to existing machine installations. Rental credit will be applied to the prices set forth below:

Model	Qty.	Suggested List Price	Gov't Discount	Gov't Net Price
"400C"	1	$1,750.00	6%	$1,645.00
	2		9%	1,592.50
	3		10%	1,575.00

NOTE: Above price includes lens. If order includes Wide Screen Kit, add $185.25 ($195 List Price less 5%)

Model	Qty.	Suggested List Price	Gov't Discount	Gov't Net Price
"400CR"	1	$1,250.00	6%	$1,175.00
	2		9%	1,137.50
	3		10%	1,125.00

NOTE: Above price includes lens. If order includes Wide Screen Kit, add $126.35 ($133 List Price less 5%)

Model	Qty.	Suggested List Price	Gov't Discount	Gov't Net Price
"400CR-T"	1	$1,130.00	6%	$1,062.20
	2		9%	1,028.30
	3		10%	1,017.00

NOTE: Above price does not include lens. Add $109.25 ($115.00 List Price less 5%)
If order includes Wide Screen Kit, add $126.35 ($133 List Price less 5%)

TERMS OF RENTAL

For the continuing rental of machine placements originated at the "Additional Quantity Discounted Rates" in contract GS-OOS-04438 as amended (Fiscal Year 1972), the rental rates will remain unchanged provided the quantity of machines continuing on rental meets the stated requirements for those discounted rates. Otherwise, rental rates shown in this schedule will apply.

Title to the equipment and to any additional or replacement equipment installed by contractor hereunder is and at all times shall remain in the contractor unless and until Purchase Option is exercised hereunder. The Government agrees that the contractor shall have the right to remove the equipment on or after the effective date of any termination of this rental agreement and to inspect the equipment at any time during the period of rent.

In no event shall the contractor be liable for any injury, loss, or damage, direct, or consequential, arising out of the use of or inability to use the equipment. The Government agrees to be liable for and indemnify the contractor against any damage to the equipment caused by the Government or by a third party. (See "Maintenance under Rental")

RENTAL PAYMENTS

The Government's payments for rental rates shall be due monthly in accordance with contractor's invoices.

TERMINATION

The contractor may terminate this agreement at any time if materials are used or functions performed for which the equipment is not designed or if the equipment is being misused or abused. Any termination by the Government shall be effective no sooner than Thirty (30) Days after contractor's receipt of termination notice.

MAINTENANCE UNDER RENTAL

Rental Rates include such service by the contractor as is requested by the user and necessary to keep the equipment in good operating condition in accordance with contractor's specifications, exclusive of labor outside contractor's normal business hours and labor or parts required by reason of:

(a) negligence, misuse or abuse, or failure to follow contractor's instructions in the care, handling and operation of the equipment;

(b) servicing by other than contractor's authorized personnel;

(c) use of other than standard parts recommended by the contractor;

(d) operation of the equipment in other than normal office conditions and environment;

(e) failure to obtain contractor's prior authorization of and follow contractor's instructions for the movement or transfer of equipment, or

(f) repair or replacement of lamps, fuses, sponge rollers, and other normally consumable items.

The transfer of equipment to a location outside the normal servicing area will exclude it from this agreement and subject it to be considered and agreed upon individually. Transfer of equipment to a different zone within the service area subjects this agreement to the applicable rate for that new zone.

For all maintenance not included in Rental Rates as provided above, the Government agrees to pay contractor at then prevailing rates for parts and labor, including transit time to and from equipment installation site.

EXPORT PACKING

This schedule is for use on orders from the U.S. Government requesting export packing.

There is no charge for Standard Commercial Export packing.

MACHINES

Special Item No.	Machine	Level "A"
21-14	3M "200" Reader-Printer	$ 84.90
21-17	3M "400" and "500" Readers	54.30
21-14 & 21-18	3M "400" and "500" Reader-Printers	54.30
21-15	3M Hand Mounter	29.60
21-15	3M Semi-Automatic Mounter	69.50
21-1	3M "2000" Processor-Camera and "3400" Cartridge Camera	69.50
21-16	3M "333" Dry Silver Printer	106.00

Packaging 10% less in quantities of 25 or more. Costs shown are per unit.

SUPPLIES

	LEVEL "A"			
Type	1-49 ROLLS	50-99 ROLLS	100-499 ROLLS	500-Up ROLLS
All 11"-18" Micro-film Roll Paper	$4.40	$3.50	$3.12	$2.98
All 8"-8½" Micro-film Roll Paper	3.50	2.81	2.53	2.44

Item	Level "A"
All Solutions (Pints & Quarts)	$ 5.25
Spare Parts (Per Hundredweight) *	13.30

Costs shown are per carton of manufacturer's standard shipping increment.

Minimum Charge for Level "A" 3M Export Packing is $15.00 per order.

*Cartridges for "400" & "500" Readers & Reader-Printers, and "3400" Cameras Level "A" price same as Spare Parts (Per Hundredweight).

3M BRAND NATIONWIDE SERVICE...
Available from
these Authorized Dealers

NOTE: *When orders for items in this schedule are being placed with one of these Authorized Dealers, the order MUST be made out to the contractor,* **3M BUSINESS PRODUCTS SALES INC.**
c/o the appropriate Authorized Dealer
...See page 3 for complete ordering instructions.

ALABAMA

Birmingham Zip 35205
Bodine-Bryson & Rolling, Inc.
912 South 18th Street
Phone: (205) 933-7745

Birmingham Zip 35233
Bodine-Bryson & Rolling, Inc.
719 South 20th
Phone: (205) 322-1781

Birmingham Zip 35201
3201 6th Ave.
Phone: (205) 251-4201

Huntsville Zip 35805
Bodine-Bryson & Rolling, Inc.
2319 Bob Wallace S.W.
Phone: (205) 539-3731

Mobile Zip 36606
Bodine-Bryson & Rolling, Inc.
1102 Government Street
Phone: (205) 433-5497

Montgomery Zip 36104
Bodine-Bryson & Rolling, Inc.
526 South Court Street
P.O. Box 4128
Phone: (205) 265-9521

ALASKA

Anchorage Zip 99501
Yukon Office Supply, Inc.
935 Gambell St
Phone: (907) 277-1531

Fairbanks Zip 99701
Yukon Office Supply of Fairbanks, Inc.
511 Gafney Road
Phone: (907) 452-1148

Juneau Zip 99801
Yukon Office Supply, Inc.
148 Marine Way
Phone: (907) 586-6060

Ketchikan Zip 99901
Yukon Office Supply, Inc.
407 Dock Street
Phone: (907) 225-4111

ARIZONA

Tucson Zip 85703
Hughes-Calihan Corp. of Tucson
415 East Third Street
P.O. Box 5531
Phone: (602) 623-0351

Phoenix Zip 85016
Hughes-Calihan Corporation
4730 North 16th Street
Phone: (602) 264-9631

CALIFORNIA

Chico Zip 95926
Ray Morgan Company
554 Rio Lindo
Phone: (916) 343-6065

Fresno Zip 93701
3M Business Products Sales Inc.
441 North Van Ness Avenue
Phone: (209) 485-2521

Los Angeles Zip 90020
3M Business Products Sales Inc.
3407 West Sixth Street, Suite 100
Phone: (213) 381-7261

Sacramento Zip 95814
Sacramento Graphic Systems Inc.
1930 H Street
Phone: (916) 444-8420

San Bernardino Zip 92408
Martin Business Machines
216 S. Arrowhead
P.O. Box 1170
Phone: (714) 885-7576

San Diego Zip 92110
3M Business Products Sales Inc.
1364 Morena Boulevard
Phone: (714) 276-8000

San Francisco Zip 94101
3M Business Products Sales Inc.
620 Fulson Street
Phone: (415) 982-7400

Santa Barbara Zip 93102
3M Business Products Sales Inc.
202 East Cota Street
P.O. Box 240
Phone: (805) 963-2091

Stockton Zip 95202
George W. Lucas Company
1421 North El Dorado Street
Phone: (209) 466-3063

COLORADO

Denver Zip 80204
3M Business Products Sales Inc.
707 Federal Blvd.
Phone: (303) 893-6600

CONNECTICUT

Hartford Zip 06101
3M Business Products Sales Inc.
One Maxim Road
P.O. Box 2017
Phone: (203) 278-9600

New Haven Zip 06509
3M Business Products Sales Inc.
67 Whitney Avenue
P.O. Box 1962
Phone: (203) 787-6761

DELAWARE

Wilmington Zip 19809
3M Business Products Sales Inc.
514 Philadelphia Pike
P.O. Box 2173
Phone: (302) 764-7454

FLORIDA

Jacksonville Zip 32206
Enfield s
1063 Haines Street
Phone: (904) 355-4721

Lakeland Zip 33802
Lanier Systems Co. of Florida Inc.
2624 Industrial Park Drive
Phone: (813) 683-6487

Miami Zip 33132
Enfield's
4000 N.W. 30th Avenue
Phone: (305) 633-1551

Pensacola Zip 32501
Bodine-Bryson & Rolling, Inc.
282 N. Palafax St.
Phone: (904) 432-8313

Sarasota Zip 33579
Lanier Business Products
4037 South Tamiam Trail

Tallahassee Zip 32303
Lanier Business Products
604 North Bronough Street
P.O. Box 3546 MSS
Phone: (904) 224-5128

Tampa Zip 33609
Lanier Business Products
1325 South Grady
Phone: (813) 872-9321

West Palm Beach Zip 33401
Lanier Business Products
823 North Olive Street
Phone: (305) 655-3455

Winter Park Zip 32789
Lanier Business Products
851 West Morse Boulevard
Phone: (305) 647-7103

GEORGIA

Atlanta Zip 30324
3M Business Products Sales Inc.
1706 Chantilly Drive N.E.
Phone: (404) 631-3676

Atlanta Zip 30301
Lanier Management, Inc.
1700 Chantilly Drive N.E.
Phone: (404) 631-0911

Augusta Zip 30904
Lanier Systems Co.
2046 Gordon Highway
Phone: (404) 733-1118

Columbus Zip 31906
Lanier Business Products
1153 Henry Avenue
Phone: (404) 322-2557

Macon Zip 31204
3M Business Products Sales Inc.
881 Lee Road
P.O. Box 7285
Phone: (912) 746-0538

HAWAII

Honolulu
Earle M. Alexander, Ltd.
1020 Auahi Street, Zip 96814
P.O Box 136, Zip 96810
Phone: (808) 531-5222

IDAHO

Boise Zip 83701
Finch Brown Co.
213 North Tenth Street
P.O. Box 1818
Phone: (208) 342-9345

Idaho Falls Zip 83401
Yost's Office Systems, Inc.
675 East Anduson St.
Phone: (208) 523-3549

ILLINOIS

Chicago Zip 60611
3M Business Products Sales Inc.
500 North Michigan Avenue
Phone: (312) 828-9220

Peoria Zip 61614
3M Business Products Sales Inc.
4538 West War Memorial Drive
Phone: (309) 691-8961

Rockford Zip 61108
3M Business Products Sales Inc.
1214 East State Street
Phone: (815) 963-8405

Springfield Zip 62703
3M Business Products Sales Inc.
1215 South Fifth Street
Phone: (217) 522-7725

INDIANA

Fort Wayne Zip 46802
3M Business Products Sales Inc.
4830 Lima Road
Phone: (219) 483-9571

Indianapolis Zip 46220
3M Business Products Sales Inc.
2445 East 54th Street
Phone: (317) 253-4185

South Bend Zip 46618
St. John Business Machines, Inc.
1134 Lincolnway East
Phone: (219) 282-2355

IOWA

Davenport Zip 52807
3M Business Products Sales Inc.
1120 East Kimberly Road
P.O. Box 1199
Phone: (319) 391-3100

Des Moines Zip 50306
Koch Brothers
217 Grand Avenue
P.O. Box 1755
Phone: (515) 283-2451

Waterloo Zip 50701
Advanced Systems, Inc.
2700 Airline Highway
Box 778
Phone: (319) 234-4651

KANSAS

Topeka Zip 66614
Modern Office Methods, Inc.
3214 West 29th Street
Phone: (913) 272-7704

Wichita Zip 67209
3M Business Products Sales Inc.
4800 West Kellogg
Phone: (316) 943-9364

KENTUCKY

Lexington Zip 40503
3M Business Products Sales Inc.
365 Southland Drive
Phone: (606) 278-8427

Louisville Zip 40213
3M Business Products Sales Inc.
1189 Prestonia Lane
Phone: (502) 361-2616

LOUISIANA

Baton Rouge Zip 70806
Lanier Systems Co. of La., Inc.
1906 Beaumont
Phone: (504) 926-8300

La Fayette Zip 70501
Lanier Systems of La. Inc.
908 Coolidge
P.O. Box 52605
Phone: (318) 232-9821

Monroe Zip 71201
Lanier Systems of La. Inc.
304 Pine Street
P.O. Box 2658
Louisville Station
Phone: (318) 387-4451

New Orleans Zip 70005
Lanier Business Products
734 Martin Behrman Avenue
Phone: (504) 834-6111

Shreveport Zip 71101
C. F. Biggs Company, Inc.
1800 Market Street
Phone: (318) 425-5333

MAINE

Portland Zip 03101
Stimpson Copy Products, Inc.
686 Congress Street
Phone: (207) 774-6131

MASSACHUSETTS

Boston Zip 02210
Microfilm Products Div.
of Spaulding Co. Inc.
100 Providence Hwy.
Phone: (617) 329-4666

Waltham Zip 02154
Graphic Microfilm of New England,
Inc.
1560 Trapelo Road
Route 128
Phone: (617) 894-9494

Worcester Zip 01613
G.E. Stimpson Company, Inc.
Microfilm Division
Gold Star Distributor Park
Box 189
Phone: (617) 757-5651

MARYLAND

Baltimore Zip 21204
3M Business Products Sales Inc.
North Charles Street & Beltway
P.O. Box 6821
Phone: (301) 825-7050

MICHIGAN

Detroit Zip 48075
3M Business Products Sales Inc.
22100 Telegraph Road
Phone: (313) 444-8686

Grand Rapids Zip 49505
Commercial Equipment Company
2225 Oak Industrial Drive
Phone: (616) 459-1161

Lansing Zip 48912
3M Business Products Sales Inc.
537 North Clippert
Phone: (517) 332-3521

Saginaw Zip 48607
3M Business Products Sales Inc.
803 South Washington
Phone: (517) 752-6101

MINNESOTA

Twin Cities Zip 55423
3M Business Products Sales Inc.
1620 East 78th Street
Minneapolis, Minnesota
Phone: (612) 861-2211

MISSISSIPPI

Gulfport Zip 39501
Lanier Business Products
0729 Pass Road
P.O. Box 6662 Hansboro Station
Phone: (601) 896-1212

Jackson Zip 39201
3M Business Products Sales Inc.
119 East Pearl
Phone: (601) 353 9658

MISSOURI

Jefferson City Zip 65102
Electronic Business Equipment, Inc.
200 East McCarty Street
Phone: (314) 635-6868

Kansas City Zip 64108
Electronic Business Equipment, Inc.
1500 Grand Avenue
Phone: (816) 221-6400

St. Joseph Zip 64501
Electronic Business Equipment, Inc.
111 South Seventh Street
Phone: (816) 232-8929

St. Louis Zip 63103
Dr-Com Corp.
1601 Washington Avenue
Phone: (314) 436-2800

Springfield Zip 65806
American Business Systems Co.
416 South Jefferson
Phone: (417) 866-4602

MONTANA

Butte Zip 59701
3M Business Products Sales Inc.
126 West Broadway
Phone: (406) 792-4236

NEBRASKA

Hastings Zip 68901
Modern Office Methods
526 West 3rd Street
P.O. Box 985
Phone: (402) 462-5143

Lincoln Zip 68510
Exon's Incorporated
2246 "O" Street
Phone: (402) 477-4404

Omaha Zip 68131
3M Business Products Sales Inc.
4016 Farnam Street
Phone: (402) 558-2080

NEVADA

Las Vegas Zip 89104
3M Business Products Sales Inc.
525 South 13th Street
Phone: (702) 384-4511

Reno Zip 89502
Gordon H. Huber Company
1900 Vassar Street
Phone: (702) 322-4552

NEW HAMPSHIRE

Manchester Zip 03105
3M Business Products Sales Inc.
Highway Rt. 101
Phone: (603) 622-3733

NEW JERSEY

Paramus Zip 07652
3M Business Products Sales Inc.
70 Eisenhower Drive
Phone: (201) 843-0500

Trenton Zip 08638
3M Business Products Sales Inc.
1719 Brunswick Avenue
Phone: (609) 396-1565

NEW MEXICO

Albuquerque Zip 87110
Business Machines Center, Inc.
6513 Lomas N.E.
Phone: (505) 265-8383

NEW YORK

Albany Zip 12206
Nichols Business Equipment, Inc.
1218 Central Avenue
Phone: (518) 459-1050

Binghampton Zip 13850
3M Business Products Sales Inc.
2548 Vestal Parkway E.
P.O. Box 412
Vestal, New York
Phone: (607) 798-9313

Buffalo Zip 14225
3M Business Products Sales Inc.
3389 Harlem Road
Phone: (716) 835-9900

Elmsford Zip 10523
3M Business Products Sales Inc.
141 East Main Street
Phone: (914) 592-6220

Manhattan Zip 10022
3M Business Products Sales Inc.
845 Third Avenue, New York, N.Y.
Phone: (212) 688-2030

Melville Zip 11746
3M Business Products Sales Inc.
900 Walt Whitman Road
Phone: (516) 427-2400

Rochester Zip 14623
Business Methods Inc.
150 Metro Park
Phone: (716) 271-8000

Syracuse Zip 13206
Nichols Business Equipment, Inc.
Deere Road—Industrial Park
Phone: (315) 463-8594

Utica Zip 13501
Nichols Business Equipment, Inc.
19 Hopper Street
Phone: (315) 797-2820

NORTH CAROLINA

Charlotte Zip 28203
Cavin's Business Products, Inc.
226 Marsh Rd.
P.O. Box 3981
Phone: (704) 525-3321

Durham Zip 27707
Cavin's Incorporated
Forest Hills Shopping Center
Phone: (919) 489-2333

Fayetteville Zip 28303
Cavin's Business Products, Inc.
724 Hay Street
P.O. Box 5047
Phone: (919) 485-5151

Greensboro Zip 27403
Cavin's Incorporated
1602 Spring Garden Street
Phone: (919) 275-0454

NORTH DAKOTA

Bismarck Zip 58501
Copying & Visual Products Co.
1700 Schafer Street
Phone: (701) 223-6033

Minot Zip 58701
Copying & Visual Products Co.
115 First Avenue S.W.
P.O. Box 1244
Phone: (701) 832-5212

OHIO

Akron Zip 44308
Graphic Systems, Inc.
340 South High
Phone: (216) 434-4596

Canton Zip 44714
Graphic Systems, Inc.
2970 North Market Avenue
Phone: (216) 452-8831

Cincinnati Zip 45203
3M Business Products Sales Inc.
1011 West Eighth Street
Phone: (513) 421-1331

Cleveland Zip 44144
3M Business Products Sales Inc.
4850 Ridge Road
Phone: (216) 661-8840

Columbus Zip 43221
3M Business Products Sales Inc.
2035 Riverside Drive
Phone: (614) 486-7712

Dayton Zip 45402
J. M. Woodhull, Inc.
719 South Main Street
Phone: (513) 461-5734

Lima Zip 45801
Perry Corporation
545 West Market Street
Phone: (419) 223-0786

Mansfield Zip 44907
Don Barr, Inc.
2666 Lexington Avenue
P.O. Box 1586
Phone: (419) 884-2031

Toledo Zip 43606
3M Business Products Sales Inc.
4215-4217 Monroe Street
Phone: (419) 479-4403

Youngstown Zip 44512
Graphic Systems, Inc.
4986 Market Street
Phone: (216) 788-8753

OKLAHOMA

Oklahoma City Zip 73112
Microfilm Products, Inc.
2724 N.W. 39th
Phone: (405) 943-9801

Tulsa Zip 74103
J. D. Young Company, Inc.
116 West Third Street
Phone: (918) 582-9955

OREGON

Eugene Zip 97402
Business Equipment Center, Inc.
941 West Seventh Avenue
P.O. Box 1848
Phone: (503) 345-3381

Medford Zip 97501
3M Business Products Sales Inc.
1309 Court Street, P.O. Box 130
Phone: (503) 779-2261

Portland Zip 97214
Business Equipment Bureau
Copying Products Division
1700 S.E. 11th Avenue
Phone: (503) 233-6182

Salem Zip 97302
Business Equipment Bureau
1290 Hoyt Street S.E.
Phone: (503) 364-6849

PENNSYLVANIA

Bethlehem Zip 18017
3M Business Products Sales Inc.
2640 Schoenersville Road
Phone: (215) 867-0502

Erie Zip 16508
3M Business Products Sales Inc.
3408 State Street
P.O. Box 3246
Phone: (814) 454-4557

Harrisburg Zip 17105
3M Business Products Sales Inc.
1715 Slate Hill Road
P.O. Box 5037
Phone: (717) 233-6776

Johnstown Zip 15905
3M Business Products Sales Inc.
1752 Lyter Drive
Westmont Plaza
Phone: (814) 255-4131

Philadelphia Zip 08109
3M Business Products Sales Inc.
6985 Airport Highway Lane
Pennsauken, New Jersey
Phone: (609) 665-6770

Pittsburgh Zip 15220
3M Business Products Sales Inc.
820 Parish Street
Phone: (412) 922-4070

RHODE ISLAND

East Providence Zip 02914
3M Business Products Sales Inc.
969 Waterman Avenue
Phone: (401) 434-1411

SOUTH CAROLINA

Columbia Zip 29205
The Macdonald Company
6041 Devine Street
P.O. Box 5856
Phone: (803) 776-2400

SOUTH DAKOTA

Sioux Falls Zip 57102
Best Business Machines, Inc.
313 First Avenue South
Phone: (605) 339-1223

TENNESSEE

Kingsport Zip 37664
The Jack Anderson Company
3132 Memorial Boulevard
Phone: (615) 245-7921

Knoxville Zip 37921
3M Business Products Sales Inc.
2125 University Avenue N.W.
Phone: (615) 546-2373

Memphis Zip 38103
3M Business Products Sales Inc.
638 Jefferson Avenue
Phone: (901) 525-8451

Nashville Zip 37203
Electric Business Machines, Inc.
1701 Broadway
Phone: (615) 242-0421

TEXAS

Abilene Zip 79601
Copy Machines, Inc.
781 Cypress
Phone: (915) 673-7383

Amarillo Zip 79105
The Baker Company
P.O. Box 1610
Phone: (806) 373-4258

Dallas Zip 75050
3M Business Products Sales Inc.
1001 Fountain Parkway
Grand Prairie, Texas
Phone: (214) 263-6411

El Paso Zip 79923
Copy Machines, Inc.
2514 East Yandell
P.O. Box 3068
Phone: (915) 533-4241

Houston Zip 77036
3M Business Products Sales Inc.
6541 Southwest Freeway
P.O. Box 36346
Phone: (713) 774-7551

Lubbock Zip 79408
The Baker Company
P.O. Box 1920
Phone: (806) 763-3433

Midland Zip 79701
Copy Machines, Inc.
2805 North Big Spring Street
Phone: (915) 682-8625

San Antonio Zip 78209
3M Business Products Sales Inc.
1313 N.E. Loop Expressway
Phone (512) 828-0511

UTAH

Salt Lake City Zip 84111
A. H. Pembroke Company
333 South Third Street East
Phone: (801) 363-3861

VIRGINIA

Norfolk Zip 23502
3M Business Products Sales Inc.
3 Tidewater Executive Center
Phone: (703) 497-8919

Richmond Zip 23225
3M Business Products Sales Inc.
6517 Everglades Drive
P.O. Box 9066
Phone: (703) 276-2204

Roanoke Zip 24012
3M Business Products Sales Inc.
3637 Williamson Road N.W.
P.O. Box 5523
Phone: (703) 362-3331

WASHINGTON

Seattle Zip 98004
3M Business Products Sales Inc.
3000 N.E. Northrup Way
Phone :(206) 827-4611

Spokane Zip 99204
Seeley Business Systems, Inc.
1319 West First Avenue
Phone: (509) 838-2971

Yakima Zip 98902
3M Business Products Sales Inc.
711 West Yakima Avenue
P.O. Box 2308
Phone: (509) 452-9146

WASHINGTON, D.C.

Springfield, Virginia Zip 22151
3M Business Products Sales Inc.
5570-80 Port Royal Road
Phone: (703) 321-8400

WEST VIRGINIA

Charleston Zip 25302
3M Business Products Sales Inc.
509 Central Ave.
P.O. Box 6100
Phone: (304) 344-3488

Wheeling Zip 26001
3M Business Products Sales Inc.
1911 Warwood Avenue
Phone: (304) 277-1350

WISCONSIN

La Crosse Zip 54601
Tri-State Business Machines
1200 State Street
Phone: (608) 782 2100

Milwaukee Zip 53226
3M Business Products Sales Inc.
2457 North Mayfair Road
Phone: (414) 774 7856

WYOMING

Cheyenne Zip 82001
3M Business Products Sales Inc.
1400 Hugur Avenue
P.O. Box 2001, Airport Station
Phone: (307) 632-9284

3M INTERNATIONAL SUBSIDIARIES

ORDERS MAY NOT BE PLACED UNDER CONTRACT—LISTING IS FOR INFORMATION ONLY—NOT A CONTRACT ITEM

ARGENTINA

Minnesota (3M) Argentina
S.A.C.I.F.I.A
Tucuman 117
Buenos Aires, Argentina
Attn: Mr. C. L. Tomkinson
Phone: 32-6591
Cable: TRESEME

AUSTRALIA

3M Australia Pty. Ltd.
Box 95, Post Office
Pymble, N.S.W.
2073 Australia
Attn: Mr. H. W. Clarke
Phone: 498-0033
Cable: TRIMINCO

AUSTRIA

Minnesota 3M Technische
Vertriebsgesellschaft m.b.H.
P.O. Box 611
1011 Vienna, Austria
Attn: Mr. P. Biro
Phone: 86-26-71
Cable: TRIMINCO

BELGIUM

Minnesota Mining & Mfg.
(Belgium) S.A.
Nijverheidslaan 7
B 1920 Diegem, Belgium
Attn Mr. W.L.M. Truffino
Phone: 02/20.61.60
Cable: TRIMINCO

BRAZIL

3M Do Brasil, Ltda.
Caixa Postal 123
Campinas, Estado de Sao Paulo
Brazil
Attn: Mr. M. Mazzali
Phone: 84101
Cable: TRESEME

CANADA

Minnesota Mining & Mfg.
of Canada, Ltd.
P.O. Box 5757—Terminal "A"
London, Ontario, Canada
Attn: Mr. R. C. Tremblay
Phone: 451-2500
Cable: TRIMINCO

COLOMBIA

3M Colombia, S.A.
Apartado Aereo 11091
Bogota, Colombia
Attn: Mr. L. Arroyo
Phone: 413656
Cable: TRESEME

DENMARK

3M A/S (Denmark)
Fabriksparken 15
DK-2600 Glostrup, Denmark
Attn: Mr. F. Ziwes
Phone: 96 70 00
Cable: TRIMINDEN

EAST AFRICA

3M Mid-Africa, Ltd.
P.O. Box 21210
Nairobi, Kenya
Attn: Mr. J. A. Kidd
Phone: 67623
Cable: TRIMINCO

ENGLAND

3M United Kingdom, Ltd.
3M House
Wigmore House
London, WIA-IET, England
Attn: Mr. M. J. Rossiter
Phone: 01-486-5522
Cable: MINNESOTA

FAR EAST

3M Far East, Ltd. (Hong Kong)
Central P.O. Box 270
Hong Kong, B.C.C.
Attn: Mr. R. W. Smith
Phone: H-223051
Cable: TRIMINCO

FINLAND

Oy Suomen 3M Company AB
Italahdenkatu 22
Helsinki 20, Finland
Attn: Mr. V. Wirtanen
Phone: 670 271
Cable: TRIMINCO

FRANCE

Minnesota 3M France, S.A.
135 Boulevard Serurier
75-Paris 19eme, France
Attn: Mr. J. Duxin
Phone: 202.80 80
Cable: TRIMINCO

GERMANY

Minnesota Mining & Mfg. Co. mbH
P.O. Box 5629
Dusseldorf, Germany
Attn: Mr. W. Scheffel
Phone: 82241
Cable: TRIMINCO

GREECE

3M Hellas S.A.I.
P.O. Box 734
Peristeri—Athens
Greece
Attn: Mr. H. R. Corsi
Phone: 590.211
Cable: TRIMINCO

ITALY

3M Italia S.p.A.
P.O. Box 4298
21100 Milano, Italy
Attn: Mr. P. F. Parisi
Phone: 780651
Cable: TRIMINCO

JAPAN

Sumitomo 3M Ltd.
Central P.O. Box 490
Tokyo, Japan
Attn: Mr. A. E. Eggert
Phone: 403-1111
Cable: TRIMINCO

MALAYSIA

3M Malaysia Sdn. Berhad
P.O. Box 2196
Kuala Lumpur, Malaysia
Attn: Mr. R. J. Clout
Phone: 84475
Cable: TRIMINCO

MEXICO

3M Mexico SA de C.V.
Apartado Postal 14-139
Mexico 14, D.F., Mexico
Attn Mr P M.J. Auger
Phone: 5-77-21-00
Cable: TRESEME

MIDDLE EAST

(3M) Middle East, S.A.L.
P.O. Box 2460
Attn: Mr. H. Suyck
Phone: 220010
Cable: TRIMINCO

NETHERLANDS

Minnesota (Nederland) N.V.
P.O. Box 193
Leiden, Holland
Attn: Mr. S. van der Zijden
Phone: 45044
Cable: TRIMINCO

3M International Subsidiaries cont'd

ORDERS MAY NOT BE PLACED UNDER CONTRACT—LISTING IS FOR
INFORMATION ONLY—NOT A CONTRACT ITEM

NEW ZEALAND

Minnesota Mining & Mfg.
Co. Pty. Ltd.
Box 33-246
Auckland, New Zealand
Attn: Mr. L. Gregg
Phone: 449.129
Cable: TRIMINCO

NORWAY

3M Norge A/S
P.O. Box 51
Okern, Oslo 5, Norway
Attn: Mr. S. Sutterud
Phone: 15-16-10
Cable: TRIMINCO

PANAMA

Minnesota (3M) de Centro-america,
S.A.
Apartado 4454
Panama 5, R.P.
Attn: Mr. T. M. Kelly
Phone: 23-5275
Cable: TRESEME

PERU

Minnesota (3M) del Peru, S.A.
P.O. Box 1897
Casilla Central
Lima, Peru
Attn: Mr. C. Camino
Phone: 29082
Cable: TRESEME

PHILIPPINES

Minnesota (3M) Philippines, Inc.
P.O. Box 4547
Manila, Philippines 12123
Attn: Mr. N. L. Escobar
Phone: 60-54-13
Cable: TRIMINCO

PORTUGAL

Minnesota (3M) de Portugal, Lda.
Ave. Infante Santo 40 C
Lisbon 3, Portugal
Attn: Mr. G. Mottet
Phone: 67.74.71
Cable: TRIMINCO

PUERTO RICO

Minnesota (3M) de Puerto Rico, Inc.
G.P.O. Box M
San Juan, Puerto Rico 00936
Attn. Mr. L. Recurt
Phone: 783-0085
Cable: TRESEME

SINGAPORE

3M Singapore Pte. Ltd.
No. 17 Leng Kee Road
Singapore 3
Attn: Mr. R. Jones
Phone: 647444
Cable. TRIMINCO

SOUTH AFRICA

Minnesota Mining & Mfg. Co.
(South Africa) Pty, Ltd.
P.O. Box 10465
Johannesburg,
Republic of South Africa
Attn: Mr. K. W. Glen
Phone: 36-3211
Cable: MIMACO

SPAIN

Minnesota de Espana, S.A.
Apartado 25
Madrid, Spain
Attn: Mr. P. Magarzo
Phone: 2-79-76-00
Cable: MINNESOTA

SWEDEN

3M Svenska AB
S-191 89 Sollentuna
Attn: Mr. G. Persson
Phone: 714-00-80
Cable: TRIMINCO

SWITZERLAND

Minnesota Mining Products, A.G.
P.O. Box 232
8021 Zurich, Switzerland
Attn: Mr. B. Kaiser
Phone: (051) 35-50-50
Cable: TRIMINCO

TAIWAN

Minnesota (3M) Taiwan Ltd.
P.O. Box 1653
Taipei, Taiwan
Republic of China
Attn: Mr. R.C.T. Wang
Phone: 516089
Cable: TRIMINCO

THAILAND

3M Thailand Ltd.
G.P.O. Box 1650
Bangkok, Thailand
Attn: Mr. G. Galyath
Phone: 56323
Cable: TRIMINCO

VENEZUELA

Minnesota (3M) de Venezuela, C.A.
Apartado de Correo #2083
Caracas, Venezuela
Attn: Mr. A. Bordone
Phone: 54-75-11
Cable: TRESEME

3M COMPANY
MICROFILM SYSTEMS